

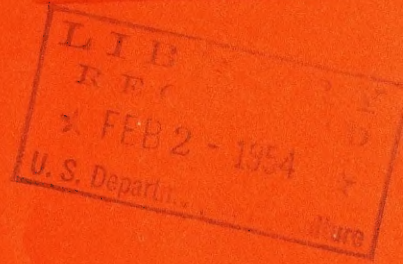
Landreth's Seeds

AND GARDEN SUPPLIES

LANDRETH Quality

— The Highest Quality man is able to attain through research, hard work, and diligence — that is Landreth Quality.

1954



170th YEAR
of
FAITHFUL SERVICE
to
AMERICAN
GARDENERS

P. Landreth Seed Co. PHILADELPHIA, PENNA.
THE OLDEST SEED HOUSE IN AMERICA

Planting Chart for Vegetables

For Philadelphia and Equivalent Climate

Maturity dates vary with climate, season, soil, geographic location, elevation, and variety

VARIETY	Seed Required	Seed Required per Acre	Distance Apart in Row	Distance Between Rows	Depth To Plant	Maturity from Planting to Picking
Asparagus, Seed ...	1 oz. to 800 plants	4 lb.	3 to 6 in. ..	1½ ft.	1 in.	3 to 4 years
Asparagus, Roots ..	50 roots per 100 ft.	5000 roots.	2 ft.	4 ft.	12 in.	2 years
Beans, Bush Snap ..	1 lb. per 100 ft. ..	60 lb.	2 to 3 in. ..	2 to 2½ ft. ..	1½ to 2 in..	6 to 8 weeks
Beans, Bush Lima ..	1 lb. per 100 ft. ..	60 lb.	6 in.	3 ft.	1½ to 2 in..	10 to 12 weeks
Beans, Pole Snap ...	1 lb. for 100 hills.	30 lb.	4 ft. hills ..	4 ft.	1½ to 2 in..	9 to 10 weeks
Beans, Pole Lima ...	1 lb. for 100 hills.	30 lb.	4 ft. hills ..	4 ft.	1½ to 2 in..	12 to 14 weeks
Beets, Table	2 oz. per 100 ft..	8 to 12 lb. ..	3 to 4 in. ..	1½ to 2 ft. ..	½ to 1 in. ..	8 to 10 weeks
Beets, Mangels	2 oz. per 100 ft..	8 to 10 lb. ..	6 in.	2½ ft.	½ to 1 in. ..	14 to 16 weeks
Broccoli, Heading ..	1 oz. to 2000 plants	4 oz.	1½ to 2 ft. ..	2 to 3 ft.	½ in.	9 to 21 weeks
Broccoli Greens	1 oz. per 100 ft. ..	2 lb.	4 in.	1½ to 2 ft. ..	½ in.	7 to 8 weeks
Brussels Sprouts ...	1 oz. to 3000 plants	4 oz.	1½ ft.	2 to 3 ft.	½ in.	13 to 14 weeks
Cabbage, Early	1 oz. to 2000 plants	4 oz.	1½ ft.	2 to 3 ft.	½ in.	10 to 12 weeks
Cabbage, Late	1 oz. to 2000 plants	4 oz.	2 ft.	3 ft.	½ in.	14 to 16 weeks
Cantaloupe	1 oz. to 50 hills. .	3 lb.	4 ft. hills ..	5 ft.	¾ in.	12 to 14 weeks
Carrot	1 oz. per 100 ft. ..	3 to 5 lb. ..	1 to 3 in. ..	1 to 2 ft.	½ in.	9 to 12 weeks
Cauliflower	1 oz. to 2000 plants	4 oz.	1½ to 2 ft. ..	2½ ft.	½ in.	14 to 16 weeks
Celery	1 oz. to 6000 plants	4 oz.	6 in.	3 to 4 ft.	¼ in.	16 to 19 weeks
Chicory	1 oz. per 100 ft. ..	4 lb.	3 in.	2 ft.	½ in.	15 to 17 weeks
Collards	1 oz. to 2000 plants	4 oz.	1½ to 2 ft. ..	2½ ft.	½ in.	12 to 14 weeks
Corn, Sweet	½ lb. per 100 ft..	12 lb.	6 in.	3 to 4 ft.	1 in.	10 to 13 weeks
Corn Salad	4 oz. per 100 ft. ..	10 lb.	3 in.	1 to 1½ ft. ..	½ in.	6 to 7 weeks
Cress	1 oz. per 100 ft. ..	10 lb.	2 to 4 in. ..	1½ ft.	¼ in.	5 to 6 weeks
Cucumber	1 oz. to 50 hills ..	2 lb.	4 ft. hills ..	4 to 5 ft.	½ in.	8 to 10 weeks
Dandelion	1 oz. per 100 ft. ..	5 lb.	6 in.	1 to 1½ ft. ..	½ in.	8 to 9 weeks
Dill	½ oz. per 100 ft. ..	5 lb.	6 in.	2 to 2½ ft. ..	½ in.	10 weeks
Egg Plant	1 oz. to 1000 plants	4 oz.	2 ft.	2½ ft.	½ in.	16 to 18 weeks
Endive	½ oz. per 100 ft..	4 lb.	8 to 12 in. ..	1½ ft.	½ in.	12 to 13 weeks
Fennel	1 oz. per 100 ft. ..	4 lb.	6 in.	2 to 3 ft.	¾ in.	9 weeks
Kale	½ oz. per 100 ft. ..	3 lb.	1½ ft.	2 ft.	½ in.	8 to 9 weeks
Kohl Rabi	½ oz. per 100 ft. ..	4 lb.	3 to 6 in. ..	1½ ft.	½ in.	8 to 9 weeks
Leek	1 oz. per 100 ft. ..	5 lb.	2 to 3 in. ..	1½ ft.	½ in.	12 to 13 weeks
Lettuce	½ oz. per 100 ft. ..	3 lb.	6 to 10 in. ..	1½ ft.	½ in.	7 to 10 weeks
Mustard	1 oz. per 100 ft. ..	4 lb.	4 to 6 in. ..	1 ft.	½ in.	4 to 5 weeks
Okra	2 oz. per 100 ft. ..	8 lb.	1½ ft.	3 ft.	1 in.	7 to 9 weeks
Onion Seed	1 oz. per 100 ft. ..	4 lb.	3 in.	1½ ft.	½ in.	13 to 16 weeks
Onion Sets	2 qt. per 100 ft. ..	10 bu.	3 in.	1½ ft.	½ in.	5 to 6 weeks
Parsley	½ oz. per 100 ft..	3 lb.	4 to 6 in. ..	1 ft.	½ in.	10 to 12 weeks
Parsnip	1 oz. per 100 ft. ..	4 lb.	4 in.	1½ to 2 ft. ..	½ in.	13 to 14 weeks
Peas	1 lb. per 100 ft. ..	120 lb.	1 to 2 in. ..	2 to 3 ft.	1 to 2 in. ..	8 to 10 weeks
Pepper	1 oz. to 1000 plants	3 oz.	2 ft.	2½ ft.	½ in.	14 to 18 weeks
Potatoes	7½ lbs. per 100 ft.	10 bu.	15 in.	3 ft.	3 in.	10 to 12 weeks
Potatoes, Sweet		9000 plants	3 ft. hills ..	3 ft.		18 to 20 weeks
Pumpkin	1 oz. to 25 hills ..	4 lb.	6 ft. hills ..	8 ft.	1 in.	15 to 16 weeks
Radish, Early	1 oz. per 100 ft. ..	10 lb.	1 in.	1 ft.	½ in.	3 to 4 weeks
Radish, Winter	1 oz. per 100 ft. ..	8 lb.	4 in.	1½ ft.	½ in.	7 to 8 weeks
Rhubarb Roots	30 roots per 100 ft.	5000 roots.	2 ft.	4 ft.	7 in.	4 to 6 weeks
Ruta Baga	1 oz. per 200 ft. ..	2 lb.	6 in.	2 ft.	½ in.	12 to 14 weeks
Salsify	2 oz. per 100 ft. ..	8 lb.	4 in.	1½ to 2 ft. ..	½ in.	16 to 18 weeks
Sorrel	1 oz. per 100 ft. ..	5 lb.	3 in.	1 to 1½ ft. ..	½ in.	5 weeks
Spinach	1 oz. per 100 ft. ..	20 lb.	4 in.	1 ft.	½ in.	6 to 7 weeks
Spinach, New Zealand	1 oz. per 100 ft. ..	3 lb.	4 in.	2½ ft.	1 in.	7 to 10 weeks
Squash, Bush	1 oz. to 25 hills ..	4 lb.	4 ft. hills ..	4 ft.	1 in.	7 to 8 weeks
Squash, Vine	1 oz. to 15 hills ..	2 lb.	6 ft. hills ..	8 ft.	1 in.	12 to 14 weeks
Swiss Chard	2 oz. per 100 ft. ..	8 to 10 lb. ..	6 in.	1½ to 2 ft. ..	½ to 1 in. ..	7 to 8 weeks
Tomato	1 oz. to 3000 plants	4 oz.	3½ ft.	4 ft.	½ in.	14 to 16 weeks
Turnip	1 oz. per 200 ft. ..	2 lb.	4 in.	1½ to 2 ft. ..	½ in.	7 to 10 weeks
Watermelon	1 oz. to 30 hills ..	1 lb.	5 ft. hills ..	8 ft.	¾ in.	12 to 14 weeks

D. Landreth Seed Co.

6 So. Front Street

PHILADELPHIA 5, PA.

P. O. Box 417

Phone: LOmbard 3-4487

333 Elizabeth Street, N. E.

ATLANTA, GA.

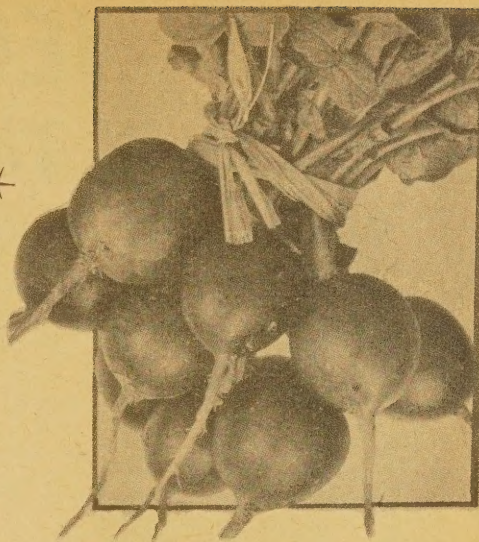
P. O. Box 35 Sta. E

Phone: Main 7055

Three Newer Three-Star Vegetables

Lettuce — Salad Bowl

Pick a head, wash it, place in a bowl, and you have an appetizing salad of crisp, tender, rich green leaves standing up as beautifully as a bouquet. Salad Bowl is a non-heading variety listed on the menus of better restaurants as garden lettuce. That kind of lettuce has real flavor and is rich in vitamin A and C. Grows to large size and resists heat and tip-burn better than any other lettuce. Ready 50 days after spring sowing. Pkt. 10c; ½ oz. 50c; oz. 90c; ¼ lb. \$2.65.



Radish — Cherry Belle

Never in your life did you see so pretty a radish. Every root is just like every other — perfectly round, as red as a cherry, with a thin small tap-root, and just enough leaves to permit easy bunching. The greatest surprise, however, is still to come. Beneath the thin, tender skin is the most delicious, crisp, sweet flesh that ever passed your lips. The flavor is so delectable that one keeps on eating and eating until the plate is empty. Ready for use in about 20 days after spring sowing. Pkt. 10c; oz. 40c; ¼ lb. \$1.10.

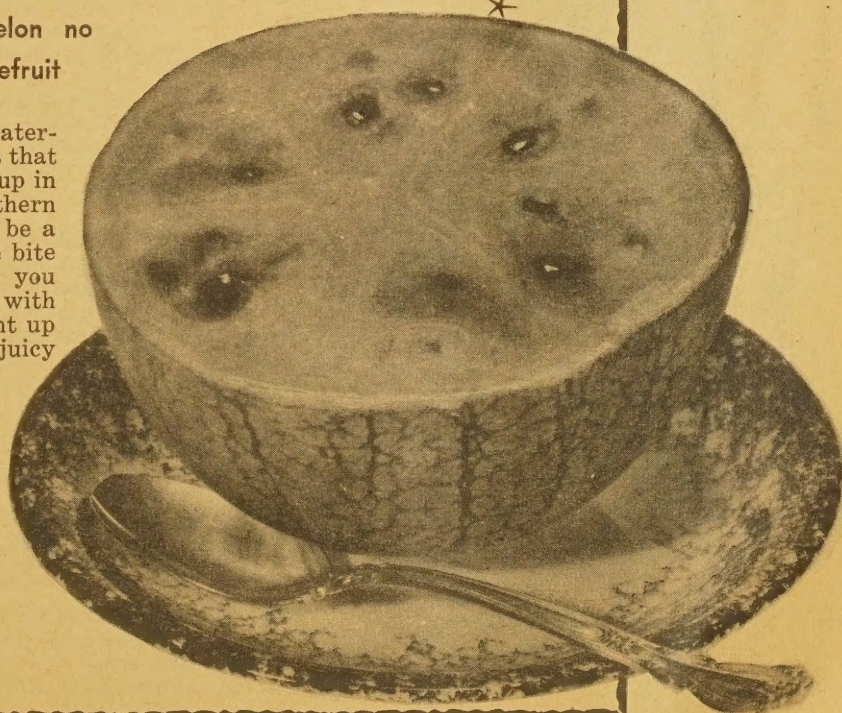
New Hampshire Midget Watermelon

A real Quality Watermelon no bigger than a large Grapefruit

There are going to be watermelons from now on in gardens that never had them before as way up in New Hampshire and other northern states. They are not going to be a passing fancy either. And one bite will tell you why. Frankly you never tasted a melon like it with the firm flesh sugar-sweet right up to the thin rind. They are juicy without being watery.

Cut in half they just fit on a saucer and the few, small black seeds are easily pushed away with the teaspoon. No more mess from jumping seeds and rinds piled high.

Very productive with fruits ready 65 days after spring sowing. Pkt. 10c; oz. 60c; ¼ lb. \$1.75.

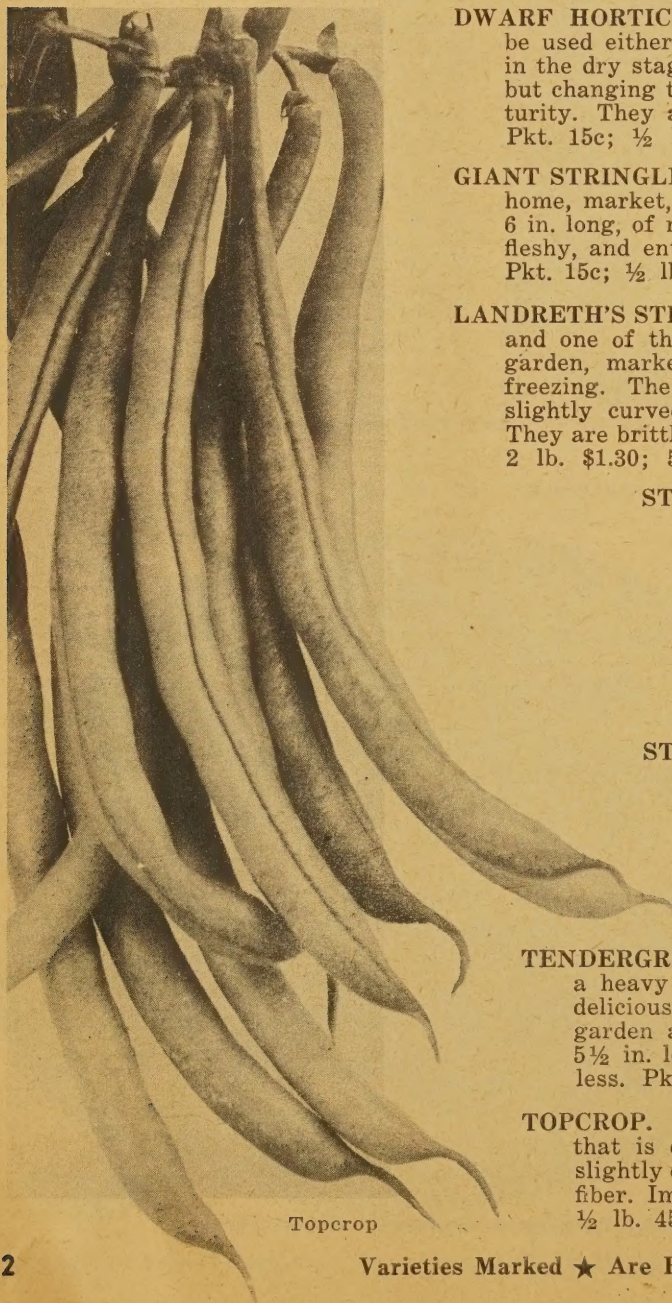


Quality **VEGETABLE SEEDS**

All The Best Varieties

Asparagus

MARY WASHINGTON. The best strain. Plant 1 oz. seed for 800 plants. 4 lb. per acre. 30 roots for 100 ft., 5000 per acre. Sow early in the spring, 1 in. deep in rows 1½ ft. apart. Thin plants to 6 ins. apart. Transplant in a heavily manured, permanent bed, 18 in. apart in rows 3 ft. apart and set the crown ½ in. below the surface. Pkt. 10c; oz. 25c; ¼ lb. 75c. Roots 50 for \$3.00; 100 for \$4.50; 250 for \$12.00; 500 for \$23.00.



Topcrop

Delicious **GARDEN BEANS**

One lb. for 100 ft.; 60 lb. per acre. Sow after the ground has warmed up in well-prepared soil. Space rows 2-2½ ft. apart and cover seed 1½-2 in. deep. Thin plants to stand 2-3 inches apart. Cultivate freely until flowers appear but only when plants are dry. For a continuous supply make succession sowings every 2 weeks until August 1.

Stringless Bush Beans—Green-Podded

BOUNTIFUL.★ 50 days. The finest flat-podded green bush bean. Early and very popular with home gardeners, market growers, shippers, and for freezing. The large stocky plants are practically immune to rust and mildew. The pods are flat, bright green, 6-7 in. long, broad, stringless, slightly fibrous, tender, and tasty. Pkt. 15c; ½ lb. 40c; lb. 70c; 2 lb. \$1.30; 5 lb. \$3.00.

DWARF HORTICULTURAL. 54 days. Popular because it can be used either as snaps in the green stage, shelled green, or in the dry stage. The pods are semi-round, green when young but changing to greenish yellow splashed with carmine at maturity. They are 5 in. long, stringless but somewhat fibrous. Pkt. 15c; ½ lb. 45c; lb. 85c; 2 lb. \$1.60; 5 lb. \$3.75.

GIANT STRINGLESS GREEN POD. 52 days. Very desirable for home, market, canning, and shipping. Attractive round pods, 6 in. long, of medium green color, fairly straight, brittle, very fleshy, and entirely stringless. Vigorous and very productive. Pkt. 15c; ½ lb. 40c; lb. 75c; 2 lb. \$1.40; 5 lb. \$3.25.

LANDRETH'S STRINGLESS GREEN POD.★ 52 days. A favorite and one of the finest green-podded bush beans for the home garden, market gardeners, and cannery. Also excellent for freezing. The pods are round, medium green, 5½ in. long, slightly curved, thick, meaty, juicy, stringless and fiberless. They are brittle, tender, and tasty. Pkt. 15c; ½ lb. 40c; lb. 70c; 2 lb. \$1.30; 5 lb. \$3.00.

STRINGLESS BLACK VALENTINE.★ 50 days. A very attractive and early variety representing a decided improvement over the old Black Valentine. It is hardy and productive but the beans are entirely stringless. The oval pods are dark green, 6 in. long, and slightly curved. A favorite with truckers and shippers but just as good in the home garden and for freezing. Pkt. 15c; ½ lb. 40c; lb. 70c; 2 lb. \$1.30; 5 lb. \$3.00.

STRINGLESS RED VALENTINE. 52 days. A very early standard variety used extensively in southern home gardens. It is very hardy and resistant to disease. Thrives on almost any kind of soil. The round pods are crease-backed, 4½ in. long, curved, and stringless. They have a distinctive flavor and are very meaty. Pkt. 15c; ½ lb. 45c; lb. 80c; 2 lb. \$1.50; 5 lb. \$3.50.

TENDERGREEN.★ 54 days. A bean of unusual merit bearing a heavy crop of pods. Remarkable for its quality and delicious flavor. An outstanding variety for the home garden and for market sales. Pods round, light green, 5½ in. long, straight, fleshy, tender, and strictly stringless. Pkt. 15c; ½ lb. 40c; lb. 75c; 2 lb. \$1.40; 5 lb. \$3.25.

TOPCROP. 52 days. An All American Gold Medal variety that is dependable and very productive. Has round, slightly curved, dark green pods 5-6 in. long. No strings or fiber. Immune to Bean mosaic and "greasy pod". Pkt. 15c; ½ lb. 45c; lb. 85c; 2 lb. \$1.60; 5 lb. \$3.75.

Varieties Marked ★ Are Best For Freezing.

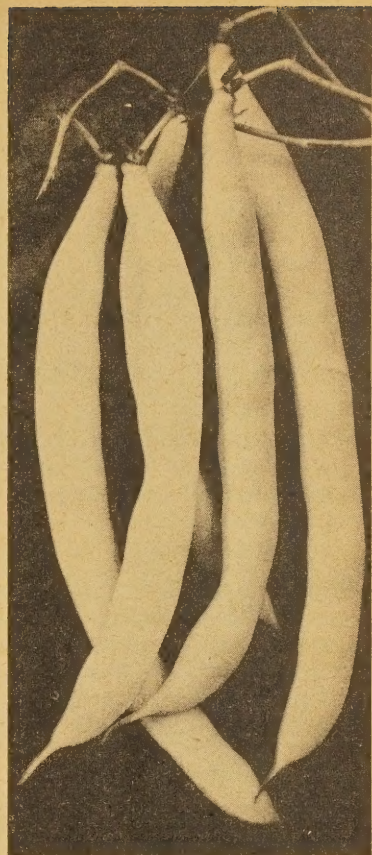
Wax-Podded Bush Beans

ROUND POD KIDNEY or BRITTLE WAX.★ 52 days. Attractive and of highest table quality. Recommended for home gardens and canning. The erect plants bear a prolific crop of handsome pods 5½-6 in. long. They are round, thick, and slightly curved. Extremely brittle flesh—stringless, fiberless, and tasty. Pkt. 15c; ½ lb. 45c; lb. 85c; 2 lb. \$1.60; 5 lb. \$3.75.

TOP NOTCH GOLDEN WAX. 50 days. A very productive home garden variety of compact growth; also remarkably disease resistant. Attractive, straight, pale yellow pods of semi-round to flat shape and 5½ in. in length. Very meaty, always brittle, with never any strings and of a delightful rich buttery flavor. Pkt. 15c; ½ lb. 45c; lb. 80c; 2 lb. \$1.50; 5 lb. \$3.50.

PENCIL POD BLACK WAX.★ 52 days. Considered the best of the round-podded wax beans for home, market, and shipping. The slightly curved, golden yellow pods are 6 in. long, showing neither strings nor fiber. They are brittle, tender, and very tasty. Pkt. 15c; ½ lb. 45c; lb. 80c; 2 lb. \$1.50; 5 lb. \$3.50.

SURECROP STRINGLESS WAX. 53 days. This often is called **Bountiful Wax.** A leading variety with many growers who appreciate its vigorous growth, splendid yield, and hardiness. The pods are thick, flat to semi-round. They are rich yellow, slightly curved, and 6 in. long. Always brittle and entirely stringless. Pkt. 15c; ½ lb. 45c; lb. 80c; 2 lb. \$1.50; 5 lb. \$3.50.



Top Notch Golden Wax

Shell Beans

For Winter Use — Ready in 90-100 Days

WHITE NAVY or BOSTON PEA BEAN.

This small-seeded soup and baking bean outyields all others. Large, spreading plants with runners. Pkt. 15c; ½ lb. 35c; lb. 65c; 2 lb. \$1.20; 5 lb. \$2.75.

RED KIDNEY. An excellent shell bean used for baking where the red skin adds to the appetite appeal. Productive, large, spreading plants. Pkt. 15c; ½ lb. 45c; 1 lb. 80c; 2 lb. \$1.50; 5 lb. \$3.50.

WHITE KIDNEY. Large, white, kidney-shaped seed splendid for baking and soups. Very prolific because of its vigorous, spreading growth. Pkt. 15c; ½ lb. 40c; lb. 75c; 2 lb. \$1.40; 5 lb. \$3.25.

LARGE WHITE MARROW. The standard dry shell bean for baking and soup. Has large, slender, spreading vines with short runners. Pkt. 15c; ½ lb. 45c; lb. 80c; 2 lb. \$1.50; 5 lb. \$3.50.

Pole or Running Snap Beans

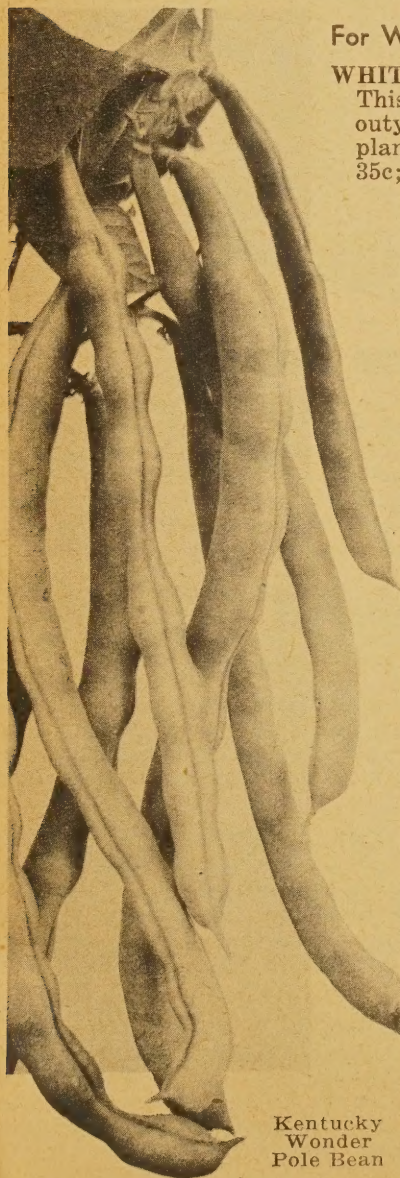
One lb. to 100 poles; 30 lb. per acre. Pole Beans are vigorous growers and yield heavily on fertile, well-enriched ground. Start planting about a week after bush beans since they are less hardy. Set poles 3 to 4 ft. apart and place from 6 to 8 beans around each. Cover 2 in. deep. Thin to 4 strongest when started.

KENTUCKY WONDER.★ 64 days. The best of all. Unexcelled for home, market, and canning. Thick, fat, curved pods, 8-10 in. long. Stringless when young, very fleshy, fiberless and of superb flavor. Pkt. 15c; ½ lb. 40c; lb. 75c; 2 lb. \$1.40; 5 lb. \$3.25.

WHITE-SEED KENTUCKY WONDER. 64 days. Round silvery pods, 7 in. long, and almost straight. A quality variety with tender, tasty flesh that is free from strings and fiber. Serves as a snap bean or the ripe seeds may be used for baking or soup. Pkt. 15c; ½ lb. 45c; lb. 80c; 2 lb. \$1.50; 5 lb. \$3.50.

HORTICULTURAL POLE. 70 days. Also known as **Wren's Egg**, **Cranberry**, and **October Bean**. Well known and used as a snap bean or as a green or dry shell bean. Pods flat oval, 6 in. straight, fleshy, good tasting, but slightly fibrous. Pkt. 15c; ½ lb. 45c; lb. 80c; 2 lb. \$1.50; 5 lb. \$3.50.

KENTUCKY WONDER WAX. 68 days. The best of the wax-podded pole beans with oval, waxy yellow pods 8 in. long. They are almost straight and very tasty. Nearly stringless but somewhat fibrous yet of excellent quality. Bears heavy crops on rich soil. Pkt. 15c; ½ lb. 50c; lb. 90c; 2 lb. \$1.70; 5 lb. \$4.00.



Kentucky Wonder Pole Bean

Bush Lima Beans

One lb. for 100 ft.; 60 lb. per acre. Lima Beans should not be sown until the ground has become thoroughly warm as the seeds will rot in wet, cold ground. Make rows 3 ft. apart and place the seeds, eye-down, 6 in. apart. Cover 1½-2 in. deep with mellow soil. They give maximum crops in a warm, rich, well-drained soil amply supplied with humus.

FORDHOOK BUSH.★ 75 days. The most popular variety for the home garden and used extensively by market gardeners and shippers. Plants large, upright, vigorous, and very productive. The pods are 4-4½ in. long and contain 3 or 4 thick beans that have a delicious nut flavor. Pkt. 15c; ½ lb. 45c; lb. 80c; 2 lb. \$1.50; 5 lb. \$3.50.

FORDHOOK 242.★ 75 days. Resembles Fordhook with its large, thick pods and also has 3 or 4 nutty-flavored beans in each. However it has more foliage and sets pods well even during hot, dry summer weather. Pkt. 15c; ½ lb. 45c; lb. 80c; 2 lb. \$1.50; 5 lb. \$3.50.

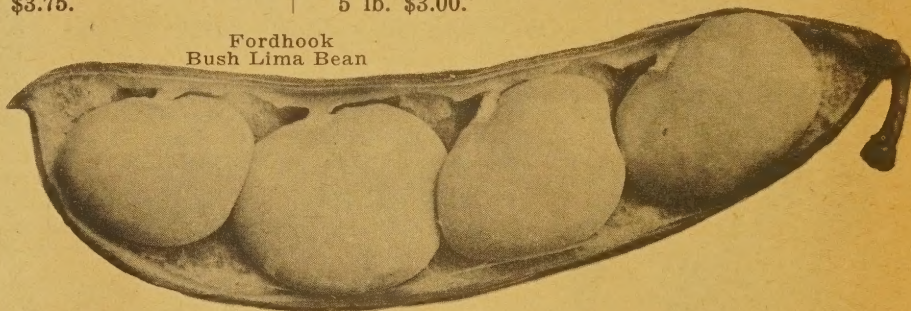
IMPROVED BUSH. 75 days. An improvement over Burpee Bush. Very productive with pods measuring 5 in. long and containing 3 or 4 flat beans that are thicker than those of Burpee Bush and of a greener color. Pkt. 15c; ½ lb. 45c; lb. 85c; 2 lb. \$1.60; 5 lb. \$3.75.

SUPERBA GIANT PODDED. 75 days. The largest-podded Bush Lima and 15 days earlier than any other comparable sort. Possesses all the good qualities of Pole Limas and has a similar delicious flavor. Large, upright plants 2 ft. tall and very vigorous. The pods are 5 in. long and contain 4 or 5 thick, flat beans that taste as good as they look. Pkt. 15c; ½ lb. 50c; lb. 90c; 2 lb. \$1.70; 5 lb. \$4.00.

HENDERSON'S BUSH.★ 65 days. The original Bush Lima called "Dwarf Butter Bean" in the South. The popular Baby Lima used by canners and as dry shell beans. Small, erect, bushy plants; very early. The 3 in. pods contain 3 or 4 small, flat beans. Pkt. 15c; ½ lb. 35c; lb. 65c; 2 lb. \$1.20; 5 lb. \$2.75.

JACKSON WONDER or CALICO BUSH. 65 days. Resembles Henderson's Bush. Very early, prolific, drought resistant. Brown seeds dabbled purple. Pkt. 15c; ½ lb. 40c; lb. 70c; 2 lb. \$1.30; 5 lb. \$3.00.

Fordhook
Bush Lima Bean



Pole Lima Beans

One lb. for 100 hills; 30 lb. per acre. Pole limas require a rich loam soil and should not be planted until the ground is thoroughly warm as they are less hardy than bush varieties. They are vigorous growers and require tall strong poles set 4 ft. apart each way. Plant 4 to 6 seeds around each, placed eye-down, and cover 1½-2 in. deep. When well started thin to 3 strongest plants to each pole. Use rich, well-rotted compost to each hill and cultivate often.

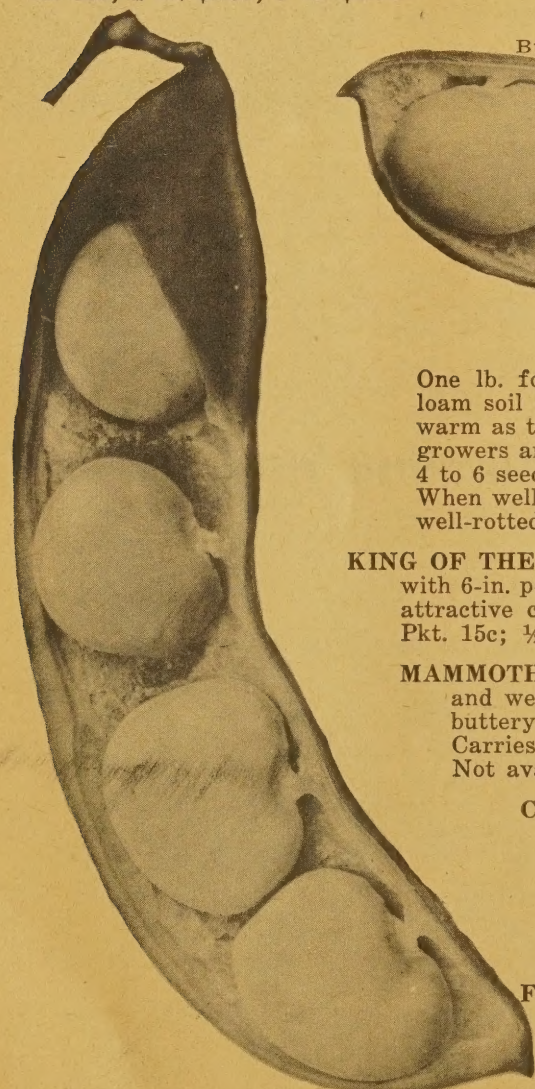
KING OF THE GARDEN. 88 days. Vigorous and remarkably productive with 6-in. pods containing 4 or 5 light green, flat beans that retain their attractive color after cooking. Climbs to a height of from 7 to 9 ft. Pkt. 15c; ½ lb. 45c; lb. 80c; 2 lb. \$1.50; 5 lb. \$3.50.

MAMMOTH PODDED IDEAL. 90 days. Extra large pods, 7 in. long, and well filled with 5 or 6 large, flat, pale green beans of a rich buttery flavor. Has the largest pods of all and outyields all others. Carries its pods 6 to 8 in each bunch. Easily shelled and handsome. Not available for 1954.

CAROLINA, SIEVA, or SMALL WHITE. 77 days. Well known in the South as the Pole Butter Bean with the pods resembling those of Henderson's Bush. Very early, continuous, and more productive than any of the large Limas. Pods 3 in. long, containing 3 or 4 small, flat beans. Pkt. 15c; ½ lb. 35c; lb. 65c; 2 lb. \$1.20; 5 lb. \$2.75.

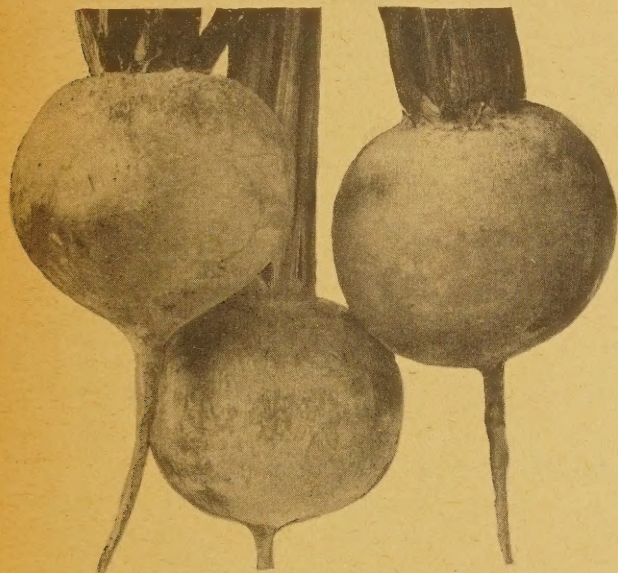
FLORIDA SPECKLED BUTTER. 78 days. Very popular in the South because it adapts itself to adverse seasonal conditions. Has all the characteristics of Sieva but the seeds are creamy white with variegated brown and black markings. Excellent green shelled or in the dry stage. Pkt. 15c; ½ lb. 40c; lb. 70c; 2 lb. \$1.30; 5 lb. \$3.00.

King of the Garden Pole Lima Bean



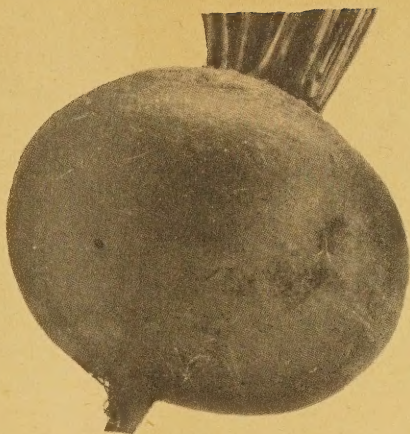
Sweet, Delicious Table Beets

Two oz. per 100 ft.; 8-12 lb. per acre. Easy to grow in any good soil that has been prepared deeply and enriched with well-rotted manure. Sow as early in spring as soil permits in rows 1½ to 2 ft. apart. Cover seed firmly with ½ to 1 in. of mellow soil. Thin out when a few leaves have formed to stand 3 or 4 in. apart in the row. Cultivate and weed frequently, and use when about 2 in. in diameter to enjoy them at their best. For a continuous supply of tasty, sweet beets, sow every two weeks up to the end of July. For winter use sow a main crop variety about mid-July to provide 90 days before the first severe frost.



Detroit Dark Red

DETROIT DARK RED. ★ 55 days. Highly recommended for home garden and market as a splendid main-crop variety. Tops are small and upright. The roots are globular, very smooth, and have a small tap root. Very attractive deep red flesh with inconspicuous zoning of a slightly lighter hue. A beet of foremost quality and greatest eye appeal. Important to home gardeners, market growers, shippers, and canners. One of the best for winter storing. Pkt. 10c; oz. 35c; ¼ lb. 90c.



Early Wonder

EARLY WONDER. 55 days. A choice variety much in demand by home gardeners, market gardeners, truckers, and shippers. Excellent for early as well as late planting. The roots are semi-globular and very uniform in size and shape with a small tap root and red-tinged green leaves. Dark purplish red flesh with lighter zones. Tender, smooth, and sweet. Pkt. 10c; oz. 30c; ¼ lb. 80c.

CROSBY'S EGYPTIAN EARLY. 55 days. A very fine selection of Crosby's Egyptian that will please the most critical. The tops are erect and medium small. The roots are globular and the interior is an appetizing dark vermilion with slightly lighter zones. Always very tender and of uniformly sweet flavor. Grows very quickly to usable or salable size. Pkt. 10c; oz. 30c; ¼ lb. 80c.

LUTZ'S GREEN LEAF or WINTER KEEPER. 70 days. A unique variety that has won fame as the best for winter storage. The roots are top-shaped and grow to large size yet retain their excellent flavor. The rich dark red flesh cooks very tender while retaining a desirable firmness. For fall or winter use sow in mid-June if full-sized roots are wanted. Excellent either while young or fully grown. Pkt. 10c; oz. 40c; ¼ lb. 95c.

Broccoli

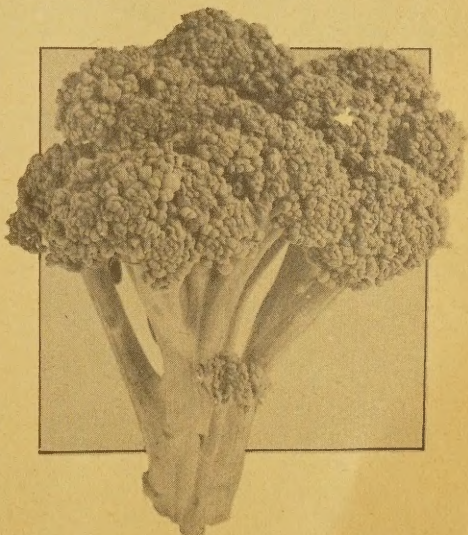
CALABRESE. ★ 90 days. The leading heading variety with market growers, shippers, home gardeners. Produces solid bluish green heads on the center stalk and when this is cut side branches will bear numerous smaller heads. These are as delectable as the first one. Additional side branches will yield right up to frost. One oz. will give 2000 plants; 4 oz. per acre. Sow in spring ½ in. deep in frames, or in May in the open for transplanting 1½ to 2 ft. apart with 2 to 3 feet between rows. Pkt. 10c; ½ oz. 35c; oz. 65c; ¼ lb. \$1.95.

Spring and Fall Broccoli Raab

One oz. for 100 ft.; 2 lb. per acre. Sow ½ in. deep; 1½ ft. between rows.

SPRING BROCCOLI RAAB. 40 days. Plant in spring only as it will not winter over. The smooth leaves and tender flower shoots are used as greens. Withstands late spring heat. Pkt. 10c; ½ oz. 30c; oz. 50c; ¼ lb. \$1.50.

FALL BROCCOLI RAAB. Plant in fall. The plants are hardy and will winter over to provide leafy turnip shoots for spring greens. Pkt. 10c; oz. 35c; ¼ lb. 90c.



Broccoli Calabrese

Brussels Sprouts

One oz. for 3000 plants; 4 oz. per acre. A most popular late fall and winter vegetable, more delicious and delicate than cabbage. The sprouts form around the stalk of the plant. Does well wherever late cabbage is a success and requires identical methods of culture.

The sprouts measure 1 to 1½ in. in diameter and reach full size in late autumn. They are most delicious after they have been touched by frost.

LONG ISLAND IMPROVED.★ 125 days. By far the best variety for home growing and market. The plants grow 2 ft. tall and are very robust with practically the entire stem solidly set with sprouts that mature from the base upward. Pkt. 10c; ½ oz. 50c; oz. 90c; ¼ lb. \$2.65.



Long Island
Improved
Brussels Sprouts

Cabbage

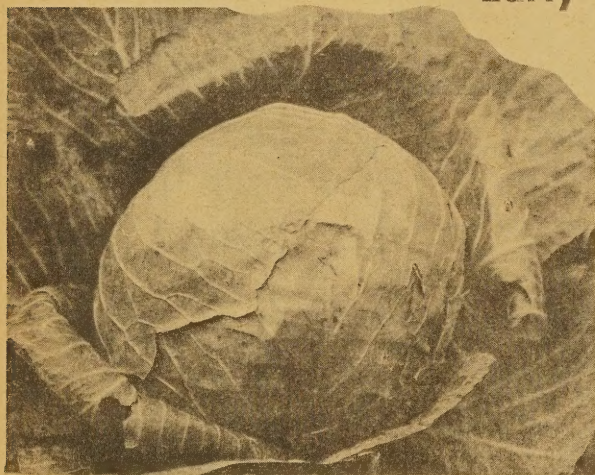
One oz. for 2000 plants; 4 oz. per acre

For early cabbage sow ½ in. deep under glass toward the end of February. As plants grow, harden them to exposure of the air but protect against frost until early spring. Transplant into rows spaced 2 to 3 ft. apart with 18 in. between the plants in the row. Good-rich soil produces the best heads.

For late cabbage sow in open ground from the middle to the end of spring and set plants out in June or July while the weather is moist and giving them a good watering when they are transplanted. Space rows 3 ft. apart and plants 2 ft. in the rows. Allow for extra plants to offset loss from the cabbage fly.

For fall-grown plants sow in September. In mild climates plant out in late autumn for heading. In cold sections protect in cold frame and transplant to open ground in spring. Always plant cabbage with soil reaching to the first leafstem so that the stem is completely under ground.

Early and Midseason Cabbage



Copenhagen Early Market

COPENHAGEN EARLY MARKET. 70 days from plants. The largest early round-head variety. Splendid for home gardens, early shippers, and market sales. Short-stemmed, solid, round heads, 6 to 7 in. in diameter. Of compact growth that allows very close planting. Pkt. 10c; ½ oz. 40c; oz. 75c; ¼ lb. \$2.25.

GOLDEN ACRE. 65 days from plants. An extra-early Copenhagen Market type of excellent quality and uniformity. Used by truckers for the earliest market. The heads are a trifle smaller but more uniformly round, very short stem. Pkt. 10c; ½ oz. 40c; oz. 75c; ¼ lb. \$2.25.

ALL HEAD EARLY. 80 days from plants. One of the earliest large summer varieties for home and market gardeners. Good for summer or winter. Of uniform size and color. Splendid for kraut. Pkt. 10c; ½ oz. 35c; oz. 65c; ¼ lb. \$1.95.

EARLY JERSEY WAKEFIELD. 70 days from plants. The finest strain of this popular and extensively used early cabbage. Greatly in demand in all markets and is more widely grown than all other first-early cabbages combined. Plants small with short stems permitting close setting in the row. Heads of medium size, conical in shape, extremely solid with little outside foliage, and of excellent quality. Its thorough hardiness and the assurance of always forming fine solid heads make it the most profitable early variety to grow. Pkt. 10c; ½ oz. 35c; oz. 65c; ¼ lb. \$1.95.

CHARLESTON or LARGE WAKEFIELD. 75 days from plants. This variety has all the fine qualities of the Early Jersey Wakefield but the heads are much larger, less pointed, and remarkably uniform in size and shape. About a week later than Early Jersey Wakefield and very popular with market gardeners and shippers in the South. Good for home gardens, too. Pkt. 10c; ½ oz. 35c; oz. 65c; ¼ lb. \$1.95.

EARLY FLAT DUTCH. 90 days from plants. Similar to Late Flat Dutch but earlier, and the heads average a little smaller. A sure header that is decidedly heat resistant. The heads are large and flat, 6 in. deep and 10 in. broad. They are firm and keep well. Extensively planted especially in the South. Pkt. 10c; ½ oz. 35c; oz. 65c; ¼ lb. \$1.95.

ALL SEASONS. 90 days from plants. A fine general purpose cabbage for early, intermediate, or late crop. Vigorous even during hot weather; a sure header. Of excellent quality, a good keeper, and popular for kraut. The large solid heads are 7 in. deep, 9 in. broad, and weigh from 8 to 9 lb. each. Fine-grained texture and remains in perfect condition a long time before bursting. Pkt. 10c; ½ oz. 35c; oz. 65c; ¼ lb. \$1.95.

Yellows-Resistant Cabbage

Early - Midseason - Late

Until the introduction of these special strains ground infected with this disease organism was entirely worthless for growing this very important vegetable. The varieties we offer have proved their value under the most trying conditions and will give satisfactory yields if given the necessary care and attention.

Y. R. GOLDEN ACRE. 65 days from plants.

This resistant strain has all the superb qualities of the regular one plus the advantage of thriving in the presence of the yellows organisms. Pkt. 10c; ½ oz. 45c; oz. 80c; ¼ lb. \$2.40.

MARION MARKET. 80 days from plants. Greatly resembles Copenhagen Market but matures about ten days later. Has attractive round heads as solid as a rock and of excellent quality. Pkt. 10c; ½ oz. 45c; oz. 80c; ¼ lb. \$2.40.

WISCONSIN ALL SEASONS. 90 days from plants. Large, vigorous plants with heads 10 in. across and 8 in. deep. Highly recommended for yellows-infested soil as it is productive and makes kraut of excellent quality. Pkt. 10c; ½ oz. 50c; oz. 85c; ¼ lb. \$2.50.

WISCONSIN HOLLANDER No. 8. 110 days from plants. A late yellows-resistant strain of Danish Ballhead with flattened-globe heads 7 to 8 in. across. Yields attractive, firm heads for storage or kraut, weighing 8-9 lb. each. Pkt. 10c; ½ oz. 50c; oz. 85c; ¼ lb. \$2.50.

Savoy Cabbage

PERFECTION DRUMHEAD SAVOY. 90 days from plants. A real table delicacy producing beautiful heads with curled leaves. The plants are short-stemmed and compact. The heads are nearly round, solid, and have a delightful mild flavor when touched by frost. Pkt. 10c; ½ oz. 40c; oz. 75c; ¼ lb. \$2.25.

Red Cabbage

MAMMOTH RED ROCK. 100 days from plants. The largest and the best of the red varieties. A splendid winter keeper with round, solid heads, 7 in. across, and weighing from 8 to 10 lb. each. An attractive deep purplish red. Pkt. 10c; ½ oz. 50c; oz. 90c; ¼ lb. \$2.65.

CAULIFLOWER

One oz. for 2000 plants. Cauliflower requires a deep, rich soil with good drainage but not inclined to dry out quickly. For an early crop sow ½ in. deep in the hotbed in January or February and set out when the ground is free from frost. Space rows 2½ ft., and plants 1½ to 2 ft. apart. For fall crop sow June 1 and transplant about July 15. Gather leaves over heads when 4 in. across and tie at the top to blanch the growing heads.

EARLY SNOWBALL. ★ 57 days from plants. This is without doubt the best of all and for that reason is widely used for market and home growing. Extra early and a dependable header. Also well adapted to winter use and forcing. The dwarf, compact plants allow close planting. Heads are large, measuring 6 to 8 in. across. They are solid, uniform, snow white, and free from defects. Pkt. 15c; ¼ oz. \$1.00; ½ oz. \$1.90; \$3.75.

Late or Winter Cabbage

DANISH BALLHEAD. 110 days from plants.

This famous short-stem cabbage of Danish origin is the leading and most widely grown of all late varieties. Home gardeners, private gardeners, market growers, truckers, shippers, and kraut manufacturers are well aware of its wonderful qualities. The heads are deep round, extremely solid, and very uniform. They weigh from 7 to 8 lb. each and will keep in perfect condition until spring. Although not adapted to all parts of the South, it is widely used in the mountain sections. Our stock of this important variety is exceptionally uniform and dependable. Critical growers everywhere have been praising it for years. Pkt. 10c; ½ oz. 45c; oz. 80c; ¼ lb. \$2.40.

LATE FLAT DUTCH. 105 days from plants.

Beautiful heads — large, flat, and solid, measuring 12 to 14 in. across and 7 in. deep. They weigh from 12 to 15 lb. each and often more. A superb fall and winter cabbage that ships well and keeps well. Our strain is particularly fine due to the continuous care taken in maintaining its outstanding quality. Pkt. 10c; ½ oz. 35c; oz. 65c; ¼ lb. \$1.95.

PENN STATE BALL HEAD. 110 days from plants.

A special strain developed by the Pennsylvania State College. A very hardy, uniform, heavy yielder of medium size, weighing from 5-6 lb. each. Pkt. 10c; ½ oz. 50c; oz. 90c; ¼ lb. \$2.65.

Chinese Cabbage

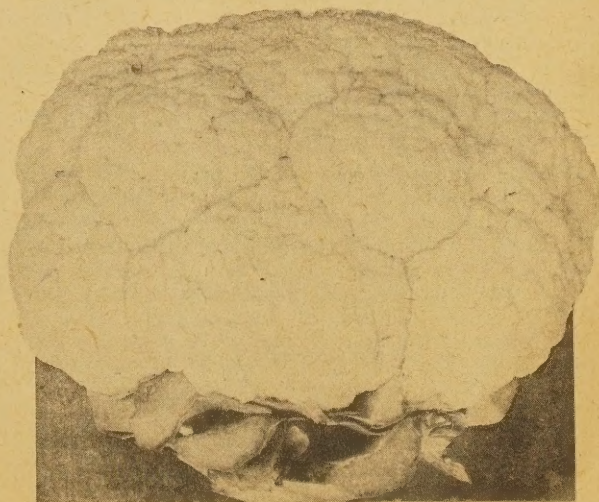
One oz. for 500 ft. Most successful if sown early in July where severe frost occurs around the middle of October. Sow thinly in rows, spaced 2½ ft. apart, and thin to stand 12 in. apart in the row. Very tasty when cooked or for salads.

CHIHILI. 60 days. The earliest and surest heading.

Has long, torpedo-shaped heads, 18 in. long and 4 in. thick, tapering near the top. Well blanched, solid, and compact. Pkt. 10c; ½ oz. 35c; oz. 65c; ¼ lb. \$1.95.

WONG BOK. 70 days. Short, broad, oval heads,

10 in. high and 6 in. thick. Tightly folded, crisp, tender, and well blanched. A sure header. Pkt. 10c; ½ oz. 35c; oz. 65c; ¼ lb. \$1.95.

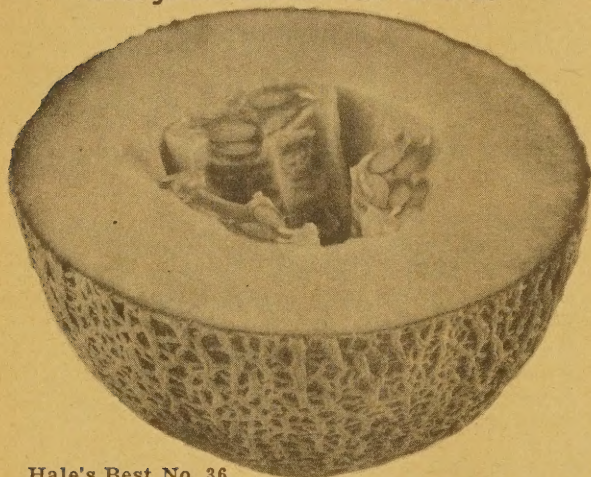


Early Snowball Cauliflower

Cantaloupes or Muskmelon

One oz. to 50 hills; 3 lb. per acre. Sow in hills spaced 4 or 5 ft. apart after the soil has warmed up, preferably in a light, sandy, or well-drained loam soil. Use 2 shovelfuls of rotted manure mixed with the soil in each hill. Drop 8 seeds in each and cover $\frac{3}{4}$ in. deep. Thin to 3 strongest plants, cutting off others just below the surface. Pinch ends of vines when a foot long for greater yield and give frequent shallow cultivation.

Orange and Salmon Flesh Varieties



Hale's Best No. 36

HALE'S BEST No. 36. 80 days. Famous for its wonderful qualities and a popular choice with home gardeners, truckers, and shippers. The oval fruits are $6\frac{1}{2}$ in. long and 5 in. thick. This shape is ideal for packing into containers. They are densely covered with medium heavy netting and show practically no ribs. The small seed cavity is surrounded by thick, firm, fine-grained, salmon-orange flesh of luscious sweetness. Early and a real money maker. Pkt. 10c; $\frac{1}{2}$ oz. 25c; oz. 45c; $\frac{1}{4}$ lb. \$1.30.

HALE'S BEST JUMBO. 83 days. A handsome, large-fruited strain of Hale's Best especially popular in the South for shipping to northern markets. Oval fruits, 6 to $7\frac{1}{2}$ in. long, and weighing 5 to 6 lb. each. They are heavily netted and show more ribs than the No. 36 strain. Thick, sweet, salmon-orange flesh of finest quality. Pkt. 10c; $\frac{1}{2}$ oz. 30c; oz. 50c; $\frac{1}{4}$ lb. \$1.50.

HEARTS OF GOLD or IMPROVED HOODOO. 83 days. A very vigorous and productive melon with medium-size fruits, 6 in. each way. The tough, thin rind makes it a good shipping variety. Also a great favorite with home gardeners. They are slightly ribbed and covered with a fine, dense netting. Around the small seed cavity is the most delicious, thick, golden orange flesh of mouth-watering, juicy sweetness. Has a rich aroma of special appetite appeal. Pkt. 10c; $\frac{1}{2}$ oz. 25c; oz. 45c; $\frac{1}{4}$ lb. \$1.30.

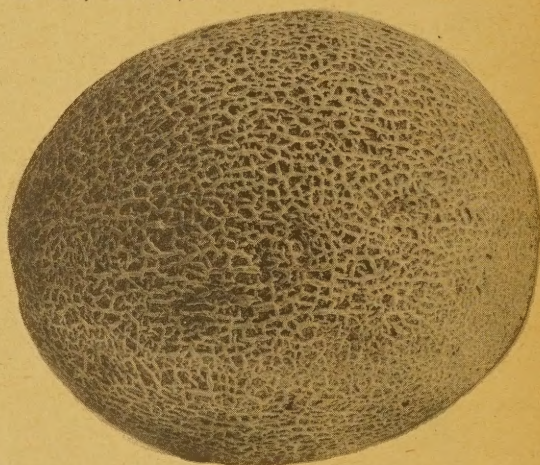
PRIDE OF WISCONSIN.★ 85 days. One of the sweetest melons grown. In great demand by home gardeners, roadside markets, and shippers. Sets 5 to 7 perfect fruits per vine if well grown. Fruits are $6\frac{1}{2}$ in. long and 6 in. across. Beneath the tough rind lies very thick, deep salmon flesh and a small, triangular seed cavity. Slightly ribbed skin with fine, dense, grey netting. Pkt. 10c; $\frac{1}{2}$ oz. 25c; oz. 45c; $\frac{1}{4}$ lb. \$1.30.

HONEY or SUGAR ROCK. 85 days. Solid as a rock with aromatic, sugary sweet, salmon-orange flesh. Attractive 6 in. balls with grey-green skin, coarse netting, and tough rind. Dependable and a heavy yielder. Pkt. 10c; $\frac{1}{2}$ oz. 25c; oz. 45c; $\frac{1}{4}$ lb. \$1.30.

Green-Fleshed Varieties

JENNY LIND. 82 days. An old favorite especially with home gardeners who want the sweetest melon to be had. It is early and prolific, bearing distinctive, small, flat fruits measuring 4 inches across and 3 in. deep with prominent ribs, heavy netting, and a knob or button on the blossom end. Has a rich aromatic flavor. Pkt. 10c; $\frac{1}{2}$ oz. 35c; oz. 60c; $\frac{1}{4}$ lb. \$1.75.

EARLY KNIGHT or SUGAR SWEET. 82 days. Its earliness has great appeal to home gardeners as well as market growers whose customers insist on quality. Handsome large fruits, 6 in. long and $4\frac{1}{2}$ in. in diameter. Ripe fruits have light golden yellow skin with grey netting and distinct ribs. Lusciously sweet, bright green flesh shading to pink in the center. Pkt. 10c; $\frac{1}{2}$ oz. 30c; oz. 50c; $\frac{1}{4}$ lb. \$1.50.



Gold-Lined Rocky Ford

GOLD-LINED ROCKY FORD. 92 days. The most widely known of all cantaloupes developed in Colorado from the famous Netted Gem of olden days. Very productive and remarkably uniform in size and form. Fruits nearly round, measuring 5 by 6 in. with no ribs but completely covered with hard grey netting. Green flesh with narrow gold lining next to seed. Excellent flavor and rich aroma. Thick, juicy, sweet flesh of spicy flavor. Pkt. 10c; $\frac{1}{2}$ oz. 25c; oz. 45c; $\frac{1}{4}$ lb. \$1.30.

Honey Dew Melon★

112 days. This melon is entirely different from all others listed. Even its appearance is distinct so that it is easily recognized. Widely known everywhere as "Honey Dew", a name well chosen since its flavor is more honey-like than that of any other variety. Requires a long growing season so that in the North it will have to be started indoors or in frames to be transplanted to the open at the proper time. Very large, nearly round fruits about 9 in. long. Has thick, light icy green flesh of a flavor and aroma that have made it a great favorite. Smooth, light cream when ripe. Keeps and ships well. Pkt. 10c; $\frac{1}{2}$ oz. 25c; oz. 45c; $\frac{1}{4}$ lb. \$1.30.

Carrots

One oz. to 100 ft.; 3 to 5 lb. per acre. Carrots require a deep, rich, light, friable soil preferably well manured. Thorough, deep soil preparation is essential to secure large, well-shaped roots. For an early crop sow as early in the spring as the ground can be prepared, ½ in. deep, and with 1 to 2 ft. between rows. Thin to stand 2 to 3 in. apart. Make succession sowings every 2 weeks until the middle of June. For main crop sow in May and June keeping the surface loose to insure satisfactory germination which is slow at any time. In southern sections they can be sown in the fall and will continue growing all through the winter.

DANVERS HALF-LONG.★

75 days. A favorite for main crop, 6 to 7 in. in length, and 1¾ in. at the broad shoulder. Tapers gently toward a blunt point. Deep orange skin and bright orange flesh. Tender, sweet, and tasty. Very productive. A good shipper and home garden variety. Pkt. 10c; ½ oz. 30c; oz. 50c; ¼ lb. \$1.50.

CHANTENAY RED CORED.

72 days. An excellent all-purpose carrot of most attractive appearance and choicest quality. The even, smooth roots are 5 to 5½ in. long and 2¼ in. at the shoulder tapering to a blunt point. The skin is rich deep orange; the flesh bright orange with the core barely differing from the rest. Always of highest quality — fine-grained, tender, and sweet. A good choice for the home garden, market growers, and canners. The blocky shape makes harvesting easy even in heavier soil. Keeps well in storage. Pkt. 10c; ½ oz. 30c; oz. 50c; ¼ lb. \$1.50.



Chanteney Red-Cored

IMPERATOR. 77 days. The

best of the long carrots. Reaches a length of 7 to 8 in. in deep soil, and a diameter of 1½ in. at the shoulder. Tapers very gently to a semi-blunt end. It is a streamlined carrot of great appeal with deep orange skin and bright orange flesh throughout. The flesh is fine-grained, tasty, and tender. Most successful on deep soils that have been deeply prepared as well as enriched. A favorite with many market growers and large shippers. Pkt. 10c; ½ oz. 35c; oz. 60c; ¼ lb. \$1.75.

IMPROVED LONG ORANGE.

88 days. The most popular long sort before Emperor made its appearance and still very popular in many sections. Greatly appreciated for its heavy yields especially on soils having extra depth and being in good tilth. The roots reach a length of 12 in. tapering from a shoulder of 2 in. to a point at the base. They are orange red with the core a lighter shade. Excellent for the table and also for stock feeding. Pkt. 10c; ½ oz. 30c; oz. 50c; ¼ lb. \$1.50.

Celery

One oz. gives 6000 plants; 4 oz. per acre. For an early crop sow indoors or in hotbed in February. For late sow outdoors after weather has become settled. Barely cover seed and keep uniformly moist. Transplant when 2 in. tall to stand 2 in. apart. When strong set out, 6 in. apart with rows spaced 3 ft. apart to permit hilling up with soil when nearly fully grown.

Celery seed germinates slowly and will sprout at low temperatures but needs constant moisture.



Emperor or Fordhook

EMPEROR or FORDHOOK.

130 days. The most popular winter celery for home gardens and nearby markets. Dwarf, stocky, easy-to-blanch plants with solid, thick, smooth stalks blanching from dark green to silvery white. Thick, crisp, juicy heart of rich flavor. Pkt. 10c; ½ oz. 80c; oz. \$1.50; ¼ lb. \$4.40.

WONDERFUL or

GOLDEN PLUME. 110 days.

Ideal for home and markets near and far. Very early and fine on muck and upland soils. Of medium height with solid, thick, broad stalks and compact, full heart that blanches to rich golden yellow. Pkt. 10c; ½ oz. 80c; oz. \$1.50; ¼ lb. \$4.40.

GIANT PASCAL. 135 days. The standard late variety. Large, stocky, dark green plants and long, thick, brittle, tender stalks of nutty flavor; creamy white when blanched. Pkt. 10c; ½ oz. 65c; oz. \$1.25; ¼ lb. \$3.75.

GOLDEN SELF BLANCHING.

118 days. Sturdy plants 26 to 30 in. tall with large, crisp, tender, golden yellow heart that blanches very easily. Pkt. 10c; ½ oz. 80c; oz. \$1.50; ¼ lb. \$4.40.

Celeriac—Turnip-Rooted Celery

GIANT PRAGUE. 120 days. Grown primarily for its large, round, smooth roots used in soups, stews, and other dishes. Boiled and sliced they make a tasty salad. Also good in raw salads. Pkt. 10c; ½ oz. 50c; oz. 95c; ¼ lb. \$2.75.

HYBRID SWEET CORN

One lb. for 100 hills or 200 ft. of row; 12 lb. per acre.

Hybrid Sweet Corn has proved so productive that it has replaced all but a few of the very best, open-pollinated varieties that serve some special purpose.

Both kinds take the same culture. Sow after the soil has become warm. Prepare the soil deeply and thoroughly. Plant in hills spaced 3 ft. apart each way, or in rows spaced 4 ft. apart. A shovelful of rotted manure and a handful of superphosphate under each hill will provide most of the food requirements.

Sow 5 or 6 seeds per hill and cover 1 in. deep. Later thin to 3 strongest plant per hill. Sown in rows, space seeds 6 in. apart. Give frequent shallow cultivation until tassels appear. Gather ears when filled out at tip but before kernels harden. Most tasty if served within an hour or less after picking.

SIXTY DAY EARLY YELLOW. 60-64 days. The earliest and also the sweetest we know. A popular choice with many home gardeners and market growers catering to the early demand. Makes a vigorous stalk, 5 ft. tall, bearing attractive ears 7 in. long, and closely set with 12 or 14 rows of deliciously sweet, light yellow kernels. Pkt. 20c; ½ lb. 60c; lb. \$1.00; 2 lb. \$1.90; 5 lb. \$4.50.

MARCROSS 13.6. 70 days. Originated at the Connecticut Agricultural Experiment Station. Has proved especially valuable in northern sections. The stalks are 5 ft. tall and resists Stewarts disease. Has attractive, plump ears 6½ to 7 in. long, and set with 10 to 14 rows of medium yellow kernels of fine quality and good flavor. Pkt. 20c; ½ lb. 50c; lb. 95c; 2 lb. \$1.80; 5 lb. \$4.25.

GOLDEN CROSS.★ 86 days. The most popular of all Hybrid Sweet Corn only a week later than Golden Bantam. Resistant to Stewarts disease and unsurpassed for home and market. Also a splendid sort for canning and freezing. Grows 6 ft. tall and the heavy growth often supports 2 ears per plant. The ears are 8 in. long and well filled with 12 or 14 rows of light yellow kernels chuckful of the most delicious, sweet pulp. Pkt. 20c; ½ lb. 50c; lb. 90c; 2 lb. \$1.70; 5 lb. \$4.00.

LINCOLN. 39 x 23. 83 days. An All America Winner that fully deserves this honor. A very fine, mid-season corn growing 6 ft. tall. Beautiful large ears, 7 to 8 in. long, well covered by strong husk, and solidly set with 12 to 16 rows of bright golden yellow kernels that taste every bit as good as they look. A real quality variety with the ability to withstand adverse weather conditions. Pkt. 20c; ½ lb. 50c; lb. 95c; 2 lb. \$1.80; 5 lb. \$4.25.

IOCHIEF.★ 93 days. Another All America Winner pronounced I-O-Chief and the only one ever to win a Gold Medal in this severe test. Stalks are 7 ft. tall, very vigorous, almost suckerless, with many of them bearing 2 ears. A success in dry or wet years. Ears are 8 to 9 in. long, lightly tapered, and well filled with 16 to 18 rows of bright golden yellow kernels as deliciously sweet and flavorful as anyone could imagine. Pkt. 20c; ½ lb. 60c; lb. \$1.10; 2 lb. \$2.10; 5 lb. \$5.00.



Golden Cross
The Hybrid Sweet Corn by
which all others are judged.
Splendid for freezing.

Famous WHITE HYBRID SWEET CORN

EVERGREEN 14x13.★ 95 days. This hybrid type of the well-known Stowell's Evergreen has everything one could wish. It is 9 ft. tall; ears 8 to 9 in. long, set solidly with 14 to 18 rows of pure white kernels of superb sweetness and fine flavor. Pkt. 20c; ½ lb. 50c; lb. 95c; 2 lb. \$1.80; 5 lb. \$4.25.

The Best of the Standard
Open-Pollinated

Sweet Corn

Varieties with White Kernels

STOWELL'S EVERGREEN.★ 95 days. An old favorite as popular today as ever, not only with home gardeners but for market or canning because growers can depend on it. The plants have extra vigor, growing as much as 10 ft. tall. This strength also is reflected in the size of the ears. Under good growing conditions many will be 9½ in. long although the average is an inch less. Their diameter stands in good proportion, being about 2-2½ in. There are from 16 to 20 rows of large sweet kernels of the finest quality to delight the gourmand. Our stock is grown with the utmost care to preserve the true character. Pkt. 15c; ½ lb. 35c; lb. 65c; 2 lb. \$1.20; 5 lb. \$2.75.

COUNTRY GENTLEMEN.★ 93 days. Also called "Shoe Peg". Everybody knows it by the irregularly arranged, pure white kernels that are claimed by many the sweetest and most delicious of all. Grows 7 to 8 ft. tall, usually with 2 ears of 8-in. length per stalk. Pkt. 15c; ½ lb. 35c; lb. 65c; 2 lb. \$1.20; 5 lb. \$2.75.

HOWLING MOB. 85 days. An old-timer but still one of the best second-early varieties. Its heavy yield is due to many plants bearing two ears each. Grows 6 to 7 ft. tall, with ears as much as 8½ in. long. There are from 10 to 14 rows of pearly white kernels of finest quality to each ear. Pkt. 15c; ½ lb. 35c; lb. 65c; 2 lb. \$1.20; 5 lb. \$2.75.

EARLY EVERGREEN. 90 days. Resembles Stowell's Evergreen but matures from 5 to 10 days earlier. It is a splendid sort for the home garden and also much grown for market. Has deep, ivory white kernels of tender texture and sweet taste. Pkt. 15c; ½ lb. 35c; lb. 65c; 2 lb. \$1.20; 5 lb. \$2.75.

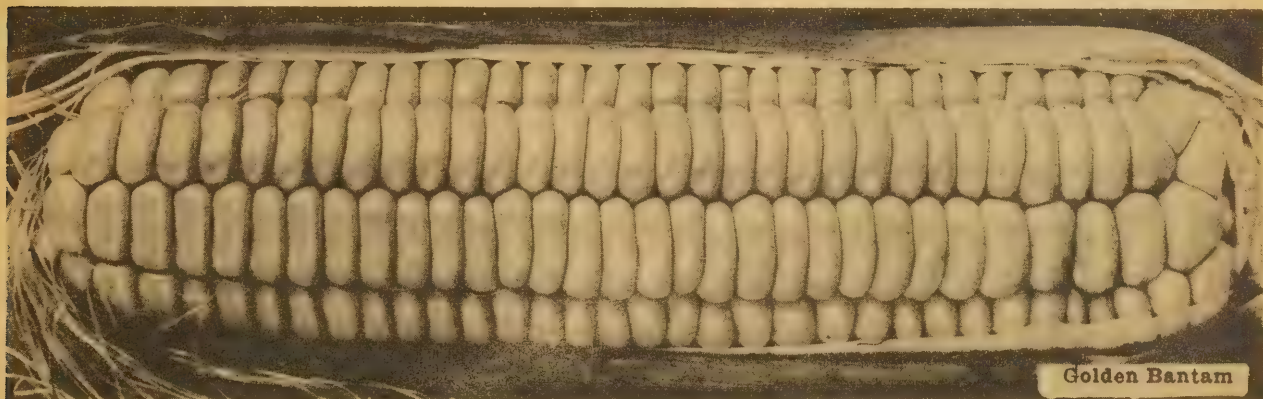
SIXTY DAY EARLY WHITE MARKET. 60 days. A profitable variety for first-early home and market use. Stalks 4 to 5 ft. tall. Ears are tapered, 6 to 7 in. long and set with 10 to 16 rows of dull white, richly flavored kernels. Pkt. 15c; ½ lb. 40c; lb. 75c; 2 lb. \$1.40; 5 lb. \$3.25.

Three Delectable Yellow Sweet Corn

GOLDEN BANTAM. 80 days. The first of the yellow sweet corns and still acclaimed by many the most flavorful. The eight rows of golden cream kernels not only are sugar-sweet but have a rich buttery flavor not found to the same degree in any other sort. Its dwarf growth of 4½ to 5 ft. has distinct advantages and the ears, 6 to 7 in. long, are just the right size for eating from the cob. Ideal for home gardens, market growers, and canners. Pkt. 15c; ½ lb. 35c; lb. 65c; 2 lb. \$1.20; 5 lb. \$2.75.

GOLDEN GIANT.★ 88 days. This also is known as Improved Golden Bantam. A splendid mid-season variety with cylindrical ears, 7 in. long, set with 10 to 14 rows of delicious, deep, broad, golden yellow kernels. Grows 6 ft. tall. Pkt. 15c; ½ lb. 35c; lb. 65c; 2 lb. \$1.20; 5 lb. \$2.75.

BANTAM EVERGREEN. 89 days. A cross between Golden Bantam and Stowell's Evergreen with 8-in. ears that combine the golden yellow color and quality of the former with the size of the latter. 14 to 18 rowed. 7-8 ft. Pkt. 15c; ½ lb. 35c; lb. 65c; 2 lb. \$1.20; 5 lb. \$2.75.



Choice Garden Corn for Roasting Ears

TRUCKER'S FAVORITE. 75 days. The favorite in the South, planted very early or late. 7 ft. tall; excellent foliage for early fodder. Ears 10 in. with 12 to 16 rows of white kernels. Pkt. 15c; ½ lb. 30c; lb. 50c; 2 lb. \$1.00; 5 lb. \$2.25.

IDEAL or LARGE EARLY ADAMS. 75 days. Very hardy for early planting and much used in the South. Stalks 6 ft. tall, 8-in ears with 12 to 14 rows of white sweet kernels. Pkt. 15c; ½ lb. 30c; lb. 55c; 2 lb. \$1.00; 5 lb. \$2.25.

Grow Your Own Pop Corn

Plant in hills, 3 to 4 ft. apart, sowing 5 or 6 seeds in each. Thin to 3 strongest. Or sow in rows 4 to 6 in. apart with 3 ft. between rows. Can be planted a week earlier than Sweet Corn.

GOLDEN QUEEN. 115 days. Nearly round, golden yellow kernels that pop pure white. Pkt. 15c; ½ lb. 35c; lb. 65c; 2 lb. \$1.20; 5 lb. \$2.75.

WHITE RICE. 110 days. Rice-like, pearly kernels popping to fluffy pure white balls. Plants 5 ft. tall; ears 6 in. long. Pkt. 15c; ½ lb. 35c; lb. 65c; 2 lb. \$1.20; 5 lb. \$2.75.

Chicory

One oz. per 100 ft., 4 lb. per acre



Witloof Chicory

WITLOOF or FRENCH

ENDIVE 110 days. A very tasty winter salad easily forced in a warm room or cellar from roots grown in the garden during the preceding season. Sow in spring in rows a foot apart and lift when fall frost arrives. Trim to 9 in. and cut off foliage an inch above crown. Plant in boxes or pots and cover with 5 in. of sand or soil. Keep well watered. Use when sprouts break through the top. Pkt. 10c; ½ oz. 45c; oz. 80c; ¼ lb. \$2.40.

Large-Rooted MAGDEBURG. 100 days. The mature roots are dried, ground, and roasted as a coffee substitute or for flavoring same.. Sow ½ in. deep in early spring with 2 ft. between rows. Thin to 3 in. Pkt. 10c; ½ oz. 45c; oz. 80c; ¼ lb. \$2.40.



Italian Dandelion

ASPARAGUS or Cicoria

Catalogna. This is the Italian Dandelion, a tasty salad plant with tender leaves and seed stalks that have a dandelion-like flavor. Pkt. 10c; ½ oz. 50c; oz. 90c; ¼ lb. \$2.65.

Corn Salad

LARGE LEAVED. 45 days. One oz. to 35 ft. A tasty salad plant with oval, light green leaves. Sow early in spring, ½ in. deep, in rows a foot apart. Ready in 6 weeks when the leaves should be pulled, not cut. Pkt. 10c; ½ oz. 40c; oz. 75c; ¼ lb. \$2.25.

Collards

One oz. for 2000 plants; 4 oz. per acre. A southern plant that is cultivated very extensively there for "greens." It is well adapted to these sections and always gives a good crop. Collards belongs to the cabbage family and form loose heads surrounded by a mass of leaves. These are stripped off as they form for table use. The plants continue growing and finally produce a loose head. Sow from spring to fall, ½ in. deep, and transplant 1½ to 2 ft. apart in rows 2½ ft. apart. Or sow where the plants are to remain, thinning when they are well started. Cultivate like cabbage. Of best flavor when touched by frost.

CABBAGE or HEADING.

80 days. An improved type producing compact plants, 1½ to 2 ft. tall, and forming a large cluster of loose leaves with a small head inside. Provides wholesome greens all through the year where winters are not too severe. Has an excellent flavor. Pkt. 10c; oz. 25c; ¼ lb. 75c.

GEORGIA or SOUTHERN.

80 days. This makes a vigorous growth reaching a height of as much as 36 in. It is a leafy type that does not form any heads but has tall, upright, large, crumpled blue-green leaves. A great favorite in the South where it does especially well. Withstands heat and gives a good crop even on poor soil. Pkt. 10c; oz. 25c; ¼ lb. 75c.

Cress

CURLED or PEPPER GRASS.

40 days. Small, deep green, curly leaves with a pungent taste. Used for garnishing and as salad. Sow in spring, ¼ in. deep, in rows a foot apart. Make succession sowings for a continuous supply. Pkt. 10c; ½ oz. 30c; oz. 50c; ¼ lb. \$1.45.

UPLAND.

60 days. Resembles water cress but grows well in good, moist soil. Pkt. 10c; ½ oz. 30c; oz. 50c; ¼ lb. \$1.45.

WATER CRESS.

50 days. An aquatic plant with long stems and small, pungent, oval leaves. A favorite salad plant for growing along wet edges of shallow, running streams or other very moist places. Pkt. 10c; ½ oz. 65c; oz. \$1.25; ¼ lb. \$3.75.

Dandelion

One oz. per 100 ft., 5 lb. per acre. Sown in July and allowed to winter over will yield an early crop of tender leaves the following spring. Can also be sown in spring. Sow in rich soil, in drills 12-18 in. apart. Thin to stand 8 in. Keep well cultivated.

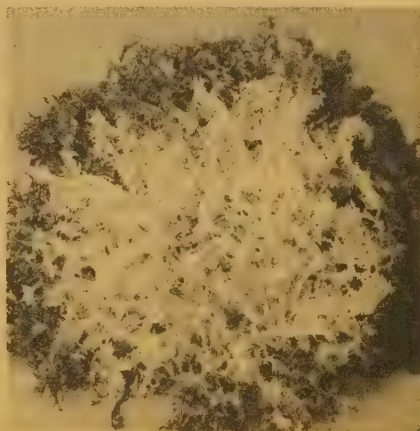
IMPROVED THICK-LEAVED.

60 days. The most profitable variety to grow, forming compact, upright plants composed of a rosette of large, broad, thick leaves. Reaches a diameter of 20 in. Pkt. 10c; ½ oz. 80c; oz. \$1.50; ¼ lb. \$4.40.

Endive—For Appetizing Salads

One half oz. per 100 ft.; 4 lb. per acre.

A wholesome and appetizing vegetable used primarily as a salad or garnish but also excellent as boiled greens. For an early crop sow about April 15; for main crop in late June. Plant ½ in. deep in rows 18 in. apart. When well started thin to stand 8 to 12 in. apart. When full grown tie the outer leaves together to blanch the heart.



Green Curled Endive

GREEN CURLED.

95 days. Large plants, 15 in. across, with finely cut, feathery, rich green leaves blanching creamy white. Pkt. 10c; oz. 30c; ¼ lb. 85c.

FULL HEART BATAVIAN

or Escarolle. 90 days.

This popular variety grows as large as Green Curled but the leaves are broad, twisted, and waved. They make an up-right-spreading growth, closely bunched in the center, and blanching to a beautiful creamy white. As tasty as it looks. Pkt. 10c; oz. 30c; ¼ lb. 85c.

Cucumbers—*Crisp and Refreshing*

One oz. for 50 hills; 2 lb. per acre. Cucumbers grow best in rich, light, well-manured sandy or loam soil. Wait with planting until the nights have turned balmy. Drop 10 to 12 seeds in raised hills made 4 to 5 ft. apart. Cover seed $\frac{1}{2}$ in. deep. Later thin to three strongest plants in each hill. Give frequent shallow cultivation until plants spread out. For fall use and pickling sow 4 to 5 weeks after the first sowing. Cut fruits from vines before they are full size to encourage additional setting. Protect plants against cucumber beetle injury.

White Spine Slicing Varieties

KIRBY "ORIGINAL STRAIN". 60 days. Beautiful fruits dark green from end to end, about 7 in. long, and perfectly cylindrical. Used by many packers of pickles and relishes because it retains its deep green color so well. Very productive and a good shipper. Fit well into jars. Pkt. 10c; $\frac{1}{2}$ oz. 25c; oz. 45c; $\frac{1}{4}$ lb. \$1.25.

STAYS GREEN or BLACK DIAMOND. 60 days. Dark green from stem to blossom end, very symmetrical, nearly square ended, very uniform, 6 to 8 in. long, and very thick. Pkt. 10c; $\frac{1}{2}$ oz. 25c; oz. 40c; $\frac{1}{4}$ lb. \$1.10.

MODEL. 55 days. A new white-spined pickle, 6 to $6\frac{1}{2}$ in. long, blocky, uniform, medium warted, excellent color, and small seed cavity. Growers everywhere are rapidly catching on to this excellent new variety. Pkt. 10c; $\frac{1}{2}$ oz. 25c; oz. 45c; $\frac{1}{4}$ lb. \$1.25.

STRAIGHT 8. 62 days. Ideal for home garden, market, and shipping; 8 in. long, 2 in. thick, straight, well-rounded ends. Produces a heavy crop of dark green fruits. Pkt. 10c; $\frac{1}{2}$ oz. 25c; oz. 45c; $\frac{1}{4}$ lb. \$1.25.

A. & C. or COLORADO. 60 days. Very dependable and a favorite of many large shippers. Vigorous and productive, with an abundance of fancy fruits 10 in. long and $2\frac{1}{2}$ in. thick. Straight, slender, slightly tapered at both ends, retaining its dark green color almost to full size. Pkt. 10c; $\frac{1}{2}$ oz. 25c; oz. 45c; $\frac{1}{4}$ lb. \$1.25.

IMPROVED EARLY WHITE SPINE. 60 days. One of the earliest and best, planted extensively in home gardens. Vigorous, productive, slightly tapered, semi-blunt ended, medium green fruits 8 to 9 in. long. Crisp, white flesh. Pkt. 10c; $\frac{1}{2}$ oz. 25c; oz. 40c; $\frac{1}{4}$ lb. \$1.10.

MARKETER. 65 days. The new streamlined cucumber and an extra fancy slicer for market. Fruits smooth, slender, dark green, straight, slightly tapered and measuring 8 in. long with a diameter of $2\frac{1}{2}$ in. Crisp flesh of excellent flavor. Pkt. 10c; $\frac{1}{2}$ oz. 25c; oz. 45c; $\frac{1}{4}$ lb. \$1.25.

Pickling Cucumbers

Black Spine Varieties

May also be used for slicing, except Gherkin

IMPROVED LONG GREEN. 70 days. A favorite with home gardeners for slicing and pickles. Hardy and a heavy cropper. The small pickles have good shape. When of slicing size the fruits are 10 to 12 in. long, $2\frac{1}{2}$ in. thick, straight, and slightly tapered. Good deep green skin and beautiful, crisp, white flesh of fine flavor and excellent texture. Pkt. 10c; $\frac{1}{2}$ oz. 25c; oz. 45c; $\frac{1}{4}$ lb. \$1.25.

NATIONAL PICKLING. 56 days. Rich dark green fruits measuring 6 by $2\frac{1}{2}$ in. Vigorous and productive. Straight with blunt ends but not chunky. Splendid for small sweets, large dills, or sours. The most widely grown of the black spine varieties because of its outstanding features. Fruits early and continuously. Pkt. 10c; $\frac{1}{2}$ oz. 25c; oz. 40c; $\frac{1}{4}$ lb. \$1.10.

Kirby "Original Strain" Cucumber

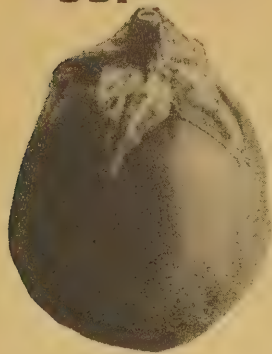
BOSTON PICKLE or GREEN PROLIFIC. 58 days. Moderately warted, bright green, 6 in. long, $2\frac{1}{2}$ in. thick, smooth, and slightly tapered with blunt ends. Vigorous and productive. Pkt. 10c; $\frac{1}{2}$ oz. 25c; oz. 40c; $\frac{1}{4}$ lb. \$1.10.

EARLY CLUSTER. 55 days. Very productive with a tendency to produce fruits in clusters near the base. Of pale green color, $5\frac{1}{2}$ to 6 in. long, $2\frac{1}{2}$ in. thick, chunky, and uniform. Pkt. 10c; $\frac{1}{2}$ oz. 25c; oz. 40c; $\frac{1}{4}$ lb. \$1.10.

WEST INDIA GHERKIN or BURR 60 days. Distinct and used exclusively for pickles. Light green, oval fruits, $2\frac{1}{4}$ in. long and 1 in. thick, covered with prickly spines. Pickle while young. Pkt. 10c; $\frac{1}{2}$ oz. 30c; oz. 55c; $\frac{1}{4}$ lb. \$1.50.



Eggplant



Black Beauty Eggplant

One oz. for 1000 plants; 4 oz. per acre. Sow in hotbed or indoors in February or March, $\frac{1}{2}$ in. deep. Keep warm and moist. Transplant to small pots when 2 to 3 in. tall. Set out when nights have turned warm, $2\frac{1}{2}$ ft. apart in rich loamy soil.

BLACK BEAUTY. 81 days from plants. The most popular home garden sort and the earliest of the large-fruited kinds. Very desirable for early market. Retains its rich purplish black color and fine quality for a long time. Of low, bushy habit; spineless and very productive. Pkt. 10c; $\frac{1}{2}$ oz. 55c; oz. \$1.00; $\frac{1}{4}$ lb. \$3.00.

IMPROVED LARGE PURPLE. 83 days from plants. Not only the largest but also the most productive. Spreading; spineless. Large, oval, glossy black-purple fruits. Pkt. 10c; $\frac{1}{2}$ oz. 55c; oz. \$1.00; $\frac{1}{4}$ lb. \$3.00.

FLORIDA HIGH BUSH. 85 days from plants. Upright, spineless plants; disease and drought resistant with long, thick, purple fruits. Pkt. 10c; $\frac{1}{2}$ oz. 55c; oz. \$1.00; $\frac{1}{4}$ lb. \$3.00.

Fennel or Finocchio

FLORENCE or ITALIAN. 110 days. Celery-like stalks with bulbous base. Eaten raw or boiled with cream sauce. Sow in June or July, 1 oz. to 100 ft. Earth up later to blanch. Pkt. 10c; $\frac{1}{2}$ oz. 30c; oz. 50c; $\frac{1}{4}$ lb. \$1.50.

Leek

MAMMOTH or LARGE AMERICAN FLAG. 85 days. Thick 10-in. stems and large, broad, dark green leaves. Extra large, vigorous, mild, and tender. 1 oz. to 100 ft. Sow in rich soil in early spring, $\frac{1}{2}$ in. deep. Thin to 3 in. in row. Pkt. 10c; $\frac{1}{2}$ oz. 45c; oz. 85c; $\frac{1}{4}$ lb. \$2.50.

Kale or Borecole

One oz. per 200 ft.; 3 lb. per acre. Healthful winter and spring greens boiled like spinach. Most tasty after touched by frost. Kale will succeed in almost any soil. Sow April to June, $\frac{1}{2}$ in. deep, in rows 24 in. apart, and for large plants thin to 18 in. in the row. For spring use, sow in August or September and winter over under a light hay cover.

DWARF BLUE CURLED. 55 days. Broad plants, 9 to 12 in. across with finely fringed, very dark blue-green leaves. Exceptionally hardy. Pkt. 10c; oz. 40c; $\frac{1}{4}$ lb. \$1.10.

DWARF SIBERIAN. 65 days. Large, deep bluish green leaves curled on the edges only. Of heavy texture. 12-16 in. tall. Pkt. 10c; oz. 35c; $\frac{1}{4}$ lb. 95c.



Dwarf Green Curled Scotch Kale

DWARF GREEN CURLED. ★ 55 days. We have an especially fine strain of this deeply curled, bright green variety. Low plants, 9 to 12 in. tall, and very broad. A hardy and very attractive quality variety. Pkt. 10c; oz. 40c; $\frac{1}{4}$ lb. \$1.10.

Kohl Rabi

One oz. per 200 ft.; 4 lb. per acre. Sow at 10-day intervals during spring.

EARLY WHITE VIENNA. Light green skin; tender tasty, crisp, white flesh. $\frac{1}{2}$ oz. 50c; oz. 90c; $\frac{1}{4}$ lb. \$2.65.

EARLY PURPLE VIENNA. Purple skin; crisp white flesh of excellent flavor. $\frac{1}{2}$ oz. 50c; oz. 90c; $\frac{1}{4}$ lb. \$2.65.

Lettuce—Loose-Leaf Varieties

SALAD BOWL. 50 days. (B.S.) A new slow-bolting variety with short, closely-set, wavy, and notched leaves. Stands heat better than Oak Leaf which it resembles. A single head fills a salad bowl with a perfect rosette of rich green. Pkt. 10c; $\frac{1}{2}$ oz. 50c; oz. 90c; $\frac{1}{4}$ lb. \$2.65.

EARLY CURLED SIMPSON. 50 days. (W.S.) Also called Silesia. A well-known variety for home gardens. Early, hardy, and quick growing. Forms no heads but a large bunch of yellowish green, crumpled leaves, frilled at the edges. Crisp, sweet, and tender. Pkt. 10c; $\frac{1}{2}$ oz. 25c; oz. 40c; $\frac{1}{4}$ lb. \$1.10.

BLACK-SEEDED SIMPSON. 50 days. (B.S.) Our big seller in Pennsylvania. Grows quickly into large, thick bunches of very attractive, yellowish green leaves that are well crumpled and frilled at the edges. Hardy and easy to grow. Much appreciated for its crispness, tenderness, and delicious flavor. More crinkled than Early Curled Simpson. Pkt. 10c; $\frac{1}{2}$ oz. 25c; oz. 40c; $\frac{1}{4}$ lb. \$1.10.

GRAND RAPIDS. 50 days. (B.S.) A popular non-heading lettuce well adapted to greenhouse forcing or early outdoors. Large, compact, upright plants forming a dense cluster of light green leaves which are broad, wavy, fringed, curled, sweet, and tender. Pkt. 10c; $\frac{1}{2}$ oz. 25c; oz. 40c; $\frac{1}{4}$ lb. \$1.10.

EARLY PRIZE HEAD. 50 days. (W.S.) Despite its name this does not form any heads but a very thick bunch of slightly curled, sweet, and tender leaves with the outside ones shaded brownish red. The inner ones, however, are bright green. Plants medium large, of quick growth, and very tasty. Pkt. 10c; $\frac{1}{2}$ oz. 25c; oz. 40c; $\frac{1}{4}$ lb. \$1.10.

OAK LEAF.—40 days. An old variety that again has become very popular because of its tender texture and the ability of the plants to survive hot summer weather without turning bitter. Of medium size with fairly smooth leaves distinctly lobed like those of many oaks. Forms a tight bunch of bright green that is attractive and tasty. For home gardens. Pkt. 10c; $\frac{1}{2}$ oz. 30c; oz. 55c; $\frac{1}{4}$ lb. \$1.50.

Lettuce

Crisp-Head Varieties

NEW YORK No. 12. 75 days. (W.S.) An early and sure-heading strain of New York called **Iceberg** in almost all markets. It is well adapted to mid-season maturity because it resists hot dry weather. Forms solid, cabbage-like heads of medium light green color with the leaf edges slightly curled. Pkt. 10c; ½ oz. 30c; oz. 55c; ¼ lb. \$1.50.

IMPERIAL No. 847. 83 days. (B.S.) A very important California shipping strain of Iceberg, popular with growers everywhere. Large, crisp, round, solid heads with smooth, thick, light green leaves. Resists hot weather, brown blight, and tip burn. Pkt. 10c; ½ oz. 35c; oz. 65c; ¼ lb. \$1.95.

ICEBERG. 84 days. (W.S.) Different from the one called Iceberg by shippers and housewives. The large, brittle, tightly folded waxy white heads do not ship well but are fine for local trade and exceptionally crisp. Pkt. 10c; ½ oz. 30c; oz. 55c; ¼ lb. \$1.50.



Great Lakes

GREAT LAKES. 85 days. (W.S.) A sure heading summer lettuce of the Iceberg type for all sections and seasons. Fine, solid heads with few outer leaves. Very slow going to seed. Highly acclaimed by shippers, market growers and home gardeners everywhere. Pkt. 10c; ½ oz. 50c; oz. 90c; ¼ lb. \$2.65.

PREMIER GREAT LAKES. 80 days. (W.S.) An All America strain from the Pennsylvania Experiment Station outstanding for its smoothness, uniformity, and absence of thick ribs. Dark green leaves folded tightly over a heavy, large head. Earlier than Great Lakes; slow bolting. Pkt. 10c; ½ oz. 50c; oz. 90c; ¼ lb. \$2.65.

Romaine or Cos Lettuce

A distinct type of lettuce with torpedo-shaped, upright heads composed of narrow, spoon-shaped leaves which are brittle and have a very pleasing mild flavor. Grown the same as other lettuce but thinned to stand only 6 to 8 inches apart in the row.

PARIS WHITE COS. 65 days. (W.S.) This variety is grown extensively for market and in the home garden. Of medium size with the long, narrow, concave leaves forming a well-folded head 8 inches in height. The outside leaves are light green and the inner ones blanched to an icy greenish white. Of choicest quality — always crisp and tender, and of exceptionally fine flavor. Pkt. 10c; ½ oz. 25c; oz. 40c; ¼ lb. \$1.10.

How to Grow Good Lettuce . . .

Sow ½ oz. per 100 ft.; 3 lb. per acre. Sow ½ in. deep with rows 18 in. apart as early in spring as possible in rich, well-drained but moisture-retentive soil. Give frequent cultivation. Thin when plants begin crowding one another to stand 6 to 10 in. apart. Lettuce grows best during cool weather. A check in growth from lack of fertilizer or moisture prevents heading. For fall use, sow the middle of July and keep well watered and cultivated.

Butterhead Varieties



Big Boston

BIG BOSTON. 75 days. (W.S.) Glossy, smooth leaves, wavy at edges and tinged reddish brown. Solid medium-size heads with creamy yellow interior of buttery flavor. Fine for home and market. Pkt. 10c; ½ oz. 25c; oz. 40c; ¼ lb. \$1.10.

WHITE BOSTON. 70 days. (W.S.) Light green leaves without any dark shading. Smooth and straight at edges, and a closely folded, golden heart. Fine for forcing, early outdoors, or nearby shipping. Pkt. 10c; ½ oz. 25c; oz. 40c; ¼ lb. \$1.10.

W.S. means
white
seeded

B.S. means
black
seeded



Paris White Cos

Okra or Gumbo

Two oz. per 100 ft.; 8 lb. per acre. A very important vegetable grown everywhere but especially popular in the South. Excellent boiled and served with butter. Also indispensable in many soups, tomato catsup, and other relishes. Sow seed after nights have turned balmy and soil is warm as otherwise seeds will rot. Space rows 3 ft. apart and cover seeds 1 in. deep. Thin to stand 18 in. apart in row. Use while pods are only 2 to 3 in. long when they are extremely tender and free from all fiber.

DWARF PROLIFIC LONG GREEN POD.

50 days. Not only very early but also a very heavy bearer despite its dwarf growth that does not exceed 3 ft. The pods are rich dark green, prominently corrugated, 5 to 6 in. long, pointed, with a diameter of 1¼ in. at the base. Very tender and delicious if picked at the proper stage. Pkt. 10c; oz. 25c; ¼ lb. 65c.

PERKIN'S MAMMOTH GREEN POD. 60 days.

Vigorous plants growing to a height of from 4 to 5 ft. and that accounts for the tremendous quantity of pods they produce under good growing conditions. Each plant will develop 20 to 30 pods 7 to 8 in. long. They are slim, of deep green color, slightly ridged, pointed, and tender. Pkt. 10c; oz. 25c; ¼ lb. 65c.

WHITE VELVET or CREOLE. 55 days.

Very distinctive, round pods without ridges and a velvety, greenish white surface. Prolific, 3 to 3½ ft. tall. Meaty, tender pods, 6 to 7 in. long. Pkt. 10c; oz. 25c; ¼ lb. 65c.



Dwarf Prolific
Long Green Pod



Mustard Tendergreen

Mustard

One oz. to 100 ft.; 4 lb. per acre. The leaves are used as salad or cooked like spinach or turnip tops. They are pungent, rich in flavor, tender, and one of the most wholesome and nourishing of "greens". Use when leaves are 5 to 6 in. long, about 5 to 6 weeks after sowing.

Sow very early and repeat every 2 weeks until hot weather sets in, ½ in. deep with a foot between the rows. Thin to 4 to 6 in. For fall use sow the latter part of August.



Southern Giant Curled

SOUTHERN GIANT CURLED. 35 days.

Beautifully curled and the most popular, especially in the South. Vigorous, hardy, and of good quality. Of yellowish bright green color with frilled edges. Pkt. 10c; oz. 25c; ¼ lb. 65c.

FLORIDA BROAD-LEAF. 40 days.

A smooth-leaf mustard of upright growth with bright green leaves that are broad, thick, cut at the edges, and have a white midrib. Pkt. 10c; oz. 25c; ¼ lb. 65c.

TENDERGREEN or MUSTARD SPINACH. 25 days.

An Oriental type with sweet, pungent, but more spinach-like flavor. Grows very quickly and is ready for cutting within 3 to 4 weeks. Broad, flat, spoon-shaped, dark green leaves. Pkt. 10c; oz. 25c; ¼ lb. 65c.

Selected ONION SETS

2 lb. per 100 ft.; 10 bu. per acre. (32 lb. = 1 bu.)

Plant in spring as soon as the ground can be worked. In the South, set out either in fall or early spring. The richer the soil, the better. Firm the sets in drills ½ to 1 in. deep with 3 in. between them in the row and 18 in. between rows. Do not cover entirely. Keep ground free of weeds by frequent hoeing. When the tops begin to topple over in July and turn yellow the onions are ready for harvesting. For fall or winter store in a dry, cool, airy place. If desired plant sets an inch apart and use the thinnings as scallions. Egyptian Top Sets are planted in the fall only to provide scallions in early spring.

We are extensive growers of Onion Sets and take the greatest care to supply you with the very best sets of the finest, true-to-type strains. For growing your own sets sow seed very thickly as early in the spring as possible. (60 to 70 lb. per acre)

	Lb.	5 lb.	10 lb.
TRUE YELLOW			
PENNA. BOTTLE	\$.60	\$2.50	\$4.50
YELLOW EBENEZER	.50	2.25	4.00
RED	.50	2.25	4.00
WHITE	.60	2.50	4.50

Write in August for Prices on Egyptian Top Sets

Onions

For large onions sow 1 oz. per 100 ft.; 4 lb. per acre. For 'Picklers' 25 lb. per acre

Onions need a good soil, enriched with manure or high-grade commercial fertilizer. Sow very early $\frac{1}{4}$ to $\frac{1}{2}$ in. deep with 18 in. between rows. When about 3 in. high thin carefully to stand 3 in. apart in the rows.

They may be thinned a second time when 8 in. tall, using the removed plants as scallions. Onions need much moisture and must be kept free of weeds especially while the plants are still small.

Continue cultivation all through the growing period until the tops start falling over. That indicates they have reached maturity and are ready for taking up. After curing store in a dry, cool, airy place.

Varieties that produce onions of extra-large size will reach their maximum dimensions if the seed is started indoors or under glass some time during February or March for transplanting to the open in April when the weather has become somewhat settled.

Unlike many other vegetables, onions can be grown on the same land several years in succession if it is prepared well and a generous quantity of complete fertilizer or manure worked into the top soil.



Prizetaker

PRIZETAKER. 110 days. This is the Great Yellow Prizetaker famous throughout the entire country for its enormous size, beautiful form, and attractiveness. Under the right conditions they will reach a weight of from 2 to 3 lb. each. Matures early, is very productive, and keeps well into the winter. The bulbs are not only large but also solid. They are perfectly globular, have light straw yellow skin, and white, tender, delicate, mild flesh. Pkt. 10c; $\frac{1}{2}$ oz. 50c; oz. 90c; $\frac{1}{4}$ lb. \$2.65.

SOUTHPORT RED GLOBE. 115 days. The finest of all red onions having the same wonderful qualities as Southport Yellow Globe. The skin is glossy deep purplish red. The flesh is white with a faint pink tint. Ripens late and is an excellent keeper. Those who prefer red onions could not select anything better. Pkt. 10c; $\frac{1}{2}$ oz. 40c; oz. 75c; $\frac{1}{4}$ lb. \$2.25.

WHITE PORTUGAL or SILVER SKIN. 100 days. A most versatile variety, grown for large onions, early bunching green onions, small pickles, and white onion sets. No wonder it is so popular. The mature bulbs are of medium size. They are thick-flat and very meaty. The skin is silvery white and the flesh also is white. It is firm, fine grained, and has a delicate mild flavor. A fair keeper. Pkt. 10c; $\frac{1}{2}$ oz. 50c; oz. 90c; $\frac{1}{4}$ lb. \$2.65.

YELLOW GLOBE DANVERS. 110 days. The most popular and most widely grown of all yellow main-crop varieties, both for market and the home garden. A sure cropper, highly productive, and maturing earlier than Southport Yellow Globe. Bulbs of medium size, uniformly globe-shaped, solid, hardy, and excellent winter keepers. Bright yellow skin; pure white flesh. Pkt. 10c; $\frac{1}{2}$ oz. 40c; oz. 75c; $\frac{1}{4}$ lb. \$2.25.

EBENEZER. 100 days. The most popular for Yellow Onion Sets because they are firm, hard, have a thick protective skin, and keep especially well. Planted out they quickly produce a bumper crop with very few of them going to seed or forming "stiff necks". Fully grown they are excellent winter keepers with pure white, mild, sweet flesh. Pkt. 10c; $\frac{1}{2}$ oz. 40c; oz. 75c; $\frac{1}{4}$ lb. \$2.25.

Bermuda Onion Seed

WHITE BERMUDA or CRYSTAL

WHITE WAX. 95 days. Imported seed grown in Teneriffe, the kind insisted upon by the large Texas growers for supplying northern markets. Early, pure waxy white, very sweet, and mild. The bulbs are very flat, of medium size, and have a thin skin. Very fine for slicing but not a keeping onion. Pkt. 10c; $\frac{1}{2}$ oz. 40c; oz. 75c; $\frac{1}{4}$ lb. \$2.25.

HARDY WHITE BUNCHING

ONION. 60 days. The earliest and best for green onions or scallions. Sow seed thickly in rows in late spring or early summer. Earth up stalks gradually as they grow to form thick, long, white, tender shoots of mild flavor. Sow in August for spring use. Very hardy. Pkt. 10c; $\frac{1}{2}$ oz. 40c; oz. 75c; $\frac{1}{4}$ lb. \$2.25.



Hardy White Bunching

Parsley

One oz. to 200 ft.; 3 lb. per acre. Sow early in spring in rows a foot apart. Cover $\frac{1}{2}$ in. deep and firm soil well. Keep moist until seeds germinate. Seed soaked for several hours in water previous to sowing will come up quicker. Thin young plants to stand 4 to 6 in. apart. Frequent cutting improves the quality of the new growth. For winter use protect with a cold-frame.



Double Curled Parsley

DOUBLE CURLED. 70 days. Compact, dwarf plants with curly, finely cut, dark green leaves. Of rich green color. Pkt. 10c; oz. 30c; $\frac{1}{4}$ lb. 85c.

PLAIN or SINGLE 60 days. Also called Italian parsley. Very productive, hardy. Flat, fringed leaves of strong flavor. Pkt. 10c; oz. 30c; $\frac{1}{4}$ lb. 85c.

HAMBURG or PARSNIP-ROOTED. 90 days. Grown for its slim, tapering roots used to impart a rich parsley flavor to soups, etc. Pkt. 10c; oz. 30c; $\frac{1}{4}$ lb. 85c.

Parsnip

One oz. per 100 ft.; 4 lb. per acre. A tasty fall or winter vegetable, first boiled, then split, and browned in butter. Needs a deep, loose, well-prepared soil free from stones and fresh manure. Sow in early spring, $\frac{1}{2}$ in. deep, with $1\frac{1}{2}$ to 2 ft. between rows. Keep moist as seed takes a long time to sprout. Thin to stand 3 in. apart. Cultivate freely. Let roots remain in ground as they are hardy and freezing improves their flavor.

SUGAR or HOLLOW CROWN. 95 days. The standard variety for all — hardy, vigorous, fully dependable. In good, deep soil the roots reach a length of about 12 in., tapering gracefully from a 3-in. shoulder to a point. Of choicest quality. Pkt. 10c; oz. 35c; $\frac{1}{4}$ lb. 95c.

Luscious Garden Peas

One lb. per 100 ft.; 120 lb. per acre. Prepare soil well and enrich before sowing in rows 2 to 3 ft. apart. Space seed an inch or two apart in the row and cover $1\frac{1}{2}$ in. deep. Smooth-seeded varieties withstand frost and can be sown very early. Wrinkled-seeded ones must wait until danger of frost entering the ground is past.

For a succession sow several varieties with different maturity dates at the same time. This is especially important where early summer may bring hot and dry weather. Since peas require cool weather to grow well and yield satisfactorily refrain from sowing between the middle of May and the middle of August. Then sow extra-early sorts for a fall crop.

Home gardener should support taller varieties although truck growers never do this on account of the labor involved.

For Earliest Harvest Sow These Hardy, Smooth-Seeded Varieties



Early Morning Star

EARLY BIRD or LAXTON'S SUPERB. 60 days. The earliest large-podded dwarf variety for home and market and very resistant to cold, wet weather. Light green vines 18 to 20 in. high, loaded with curved, pointed, dark green pods full of 9 or 10 large, tender peas of excellent flavor. Pkt. 15c; $\frac{1}{2}$ lb. 40c; lb. 70c; 2 lb. \$1.30; 5 lb. \$3.00.

ALASKA. 55 days. Wilt-resistant. An extremely early variety, well known to home gardeners and the standard among canners. Light green vines, 30 in. tall, bearing a heavy crop of round, blunt, straight pods each with 6 to 8 small, tender peas of good quality. Pkt. 15c; $\frac{1}{2}$ lb. 35c; lb. 60c; 2 lb. \$1.10; 5 lb. \$2.50.

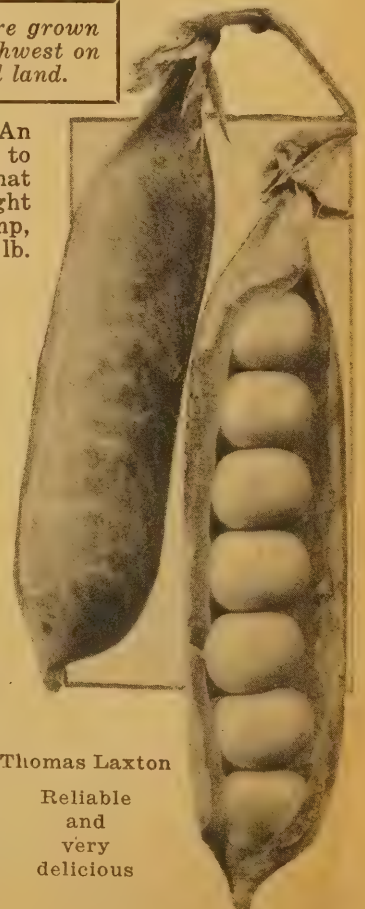
Our peas are grown in the Northwest on irrigated land.

EARLY MORNING STAR. 55 days. An extra choice, very early pea, only 24 to 30 in. tall, and ripening so uniformly that two pickings will take them all. Light green pods, $2\frac{1}{2}$ in. long, blunt, plump, with 6 or 7 luscious peas. Pkt. 15c; $\frac{1}{2}$ lb. 40c; lb. 70c; 2 lb. \$1.30; 5 lb. \$3.00.

Sugar-Sweet Early Wrinkled-Seeded Peas

EARLY GRADUS.★ 65 days. An exceptionally hardy sort for home gardens, truckers, and shipping. Has stocky, light green vines, 36 in. tall, covered with broad, plump, pointed, medium green pods containing from 8 to 10 peas, as sweet and delicious as any variety could be. Pkt. 15c; $\frac{1}{2}$ lb. 40c; lb. 70c; 2 lb. \$1.30; 5 lb. \$3.00.

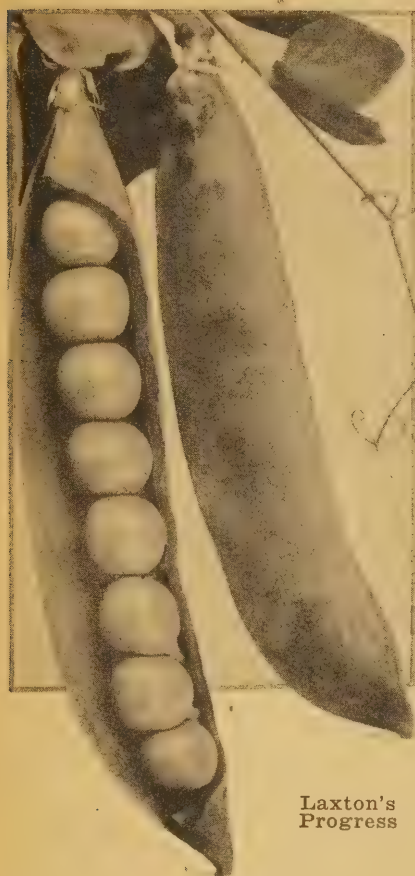
THOMAS LAXTON.★ 63 days. Very fine flavor, sweetness and tenderness have made this one of the best known of all varieties. Home gardeners, truckers, shippers, and canners praise it equally much not only because of the choice quality but for its heavy yield. It is strong, growing from 30 to 36 in. tall. Straight, thick, blunt, square-ended with 7 or 8 luscious peas of large size. Pkt. 15c; $\frac{1}{2}$ lb. 35c; lb. 65c; 2 lb. \$1.20; 5 lb. \$2.75.



Thomas Laxton

Reliable
and
very
delicious

Enjoy Them at Their Best — Fresh from the Vine



Laxton's Progress

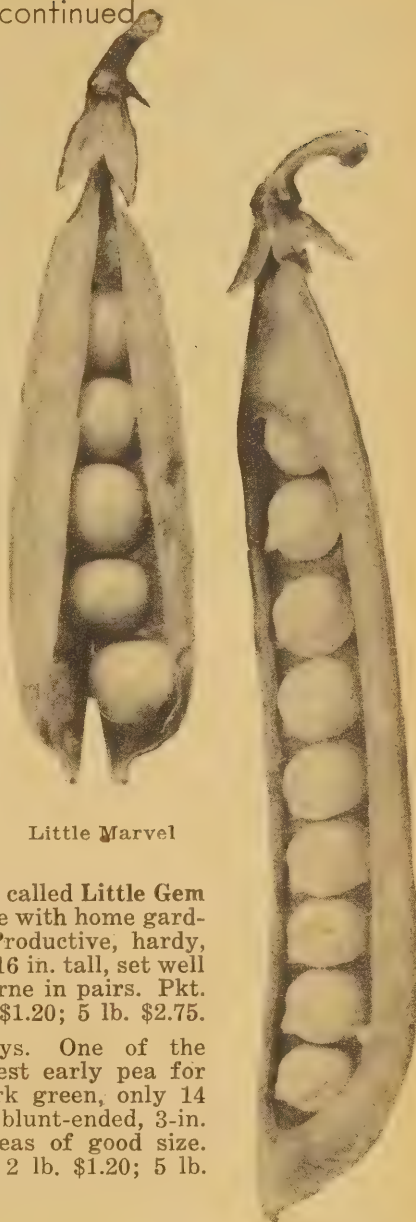
LAXTON'S PROGRESS.★ 60 days. Has everything to satisfy the home and market gardener and in great demand by pea growers for shipping. Vines medium dark green, dwarf, 16 to 18 in. tall. Handsome pods — dark green, 4½ in. long., slightly curved, and filled with 7 to 9 extra large peas of delicious flavor. Pkt. 15c; ½ lb. 40c; lb. 70c; 2 lb. \$1.30; 5 lb. \$3.00.

Early Wrinkled-Seeded—continued

LAXTONIAN.★ 62 days. A beautiful pea of most extraordinary flavor and sweetness. A leader with home gardeners, truckers, and shippers. Has dark green vines with large leaves and needs no support as it is only 18 in. tall. Dark green pods, 4 in. long, curved and pointed, filled to capacity with 7 or 8 large, tasty, sweet peas. Pkt. 15c; ½ lb. 40c; lb. 70c; 2 lb. \$1.30; 5 lb. \$3.00.

NOTT'S EXCELSIOR. 62 days. Early, dwarf, and fine for the home garden. Grows 16 in. tall with the dark vines bearing blunt-ended light green pods, 3 in. long. There are 6 medium-sized sweet peas in each pod. Pkt. 15c; ½ lb. 35c; lb. 65c; 2 lb. \$1.20; 5 lb. \$2.75.

LITTLE MARVEL.★ 62 days. One of the best known of all peas that has endeared itself to many as a symbol of sweetness and fine flavor. Vigorous light green vines of stocky growth and 36 in. tall. Medium green pods, 4 in. long and pointed, filled to the brim with 8 to 10 plump, tender peas. Pkt. 15c; ½ lb. 40c; lb. 70c; 2 lb. \$1.30; 5 lb. \$3.00.



Little Marvel

PREMIUM GEM. 64 days. Also called Little Gem in some sections. It is a favorite with home gardeners and market growers. Productive, hardy, and of good quality. Vines are 16 in. tall, set well with rich green pods often borne in pairs. Pkt. 15c; ½ lb. 35c; lb. 65c; 2 lb. \$1.20; 5 lb. \$2.75.

AMERICAN WONDER. 60 days. One of the oldest and still one of the best early pea for home gardens. Vines are dark green, only 14 in. tall, loaded with straight, blunt-ended, 3-in. pods each with 6 delicious peas of good size. Pkt. 15c; ½ lb. 35c; lb. 65c; 2 lb. \$1.20; 5 lb. \$2.75.

Edible-Podded or Sugar Peas

A special type in which the young pods are fiberless and have a delicious sweet flavor. Cooked in the same manner as string beans they provide a good change in the menu.

MAMMOTH LUSCIOUS SUGAR. 74 days. Considered by many the finest in this type excelling others in size, productiveness, and quality. The vigorous vines grow 5 ft. tall and the heavy growth requires solid support. Purple blossoms followed by fleshy, light green pods 5 in. long. They are broad, straight, blunt-ended with 8 indentations between the seeds. Use before the seeds fill out. Pkt. 15c; ½ lb. 40c; lb. 70c; 2 lb. \$1.30; 5 lb. \$3.00.

DWARF GRAY SUGAR. 68 days. Small-podded but very productive. Slender vines, 28 in. tall with light green, curved, semi-pointed pods 3 in. long. Pkt. 15c; ½ lb. 40c; lb. 70c; 2 lb. \$1.30; 5 lb. \$3.00.

Main Crop or Late Peas

Improved Telephone

IMPROVED TELEPHONE.★ 74 days. Like all late peas this outstanding variety is most reliable where cool growing weather extends into late spring and early summer. A vigorous grower with vines 4 ft. in height and thickly covered with dark green leaves. The sturdy vines support a heavy crop of well-rounded, dark green pods 5 to 5½ in. long. They are straight, pointed, and filled with 8 or 9 plump, luscious peas of a flavor that leaves nothing to wish. Pkt. 15c; ½ lb. 35c; lb. 65c; 2 lb. \$1.20; 5 lb. \$2.75.

DWARF TELEPHONE or DAISY.★ 78 days. An attractive, large-podded variety for home and market. Grows 26 to 30 in. tall and makes a sturdy, well-branched growth. Medium light green pods, 4½ in. long, containing 7 to 9 peas each. Of very fine quality and very productive. Pods are slightly curved and pointed. Pkt. 15c; ½ lb. 40c; lb. 70c; 2 lb. \$1.30; 5 lb. \$3.00.

California
Wonder



Sweet Peppers

One oz. for 1000 plants; 3 oz. per acre. The thick-fleshed sweet peppers are not only tasty but exceptionally rich in health-promoting vitamins. Delicious stuffed, in salads, and many other dishes.

Start seeds indoors in late February or March covering $\frac{1}{2}$ in. deep. Keep uniformly moist at 70° to 80° during the day, and 55° to 60° at night. When nights have turned balmy, transplant to the open in warm, rich, well-prepared soil, spacing them 2 ft. apart in the row with 3 ft. between the rows. Cultivate freely to keep down weeds and give one or two side dressings of fertilizer during the growing season to help in a heavy set of fruits.

CALIFORNIA WONDER. 75 days from plants. Has the thickest walls of all and is of choicest quality. Upright, prolific plants carrying a heavy crop of very attractive and heavy, deep green fruits that change to bright crimson at maturity. The fruits have four lobes and measure about 4 by 4½ in. Will bear right up to frost. Pkt. 10c; ½ oz. 60c; oz. \$1.10; ¼ lb. \$3.40.

WORLD BEATER or RUBY GIANT. 75 days from plants. We have an exceptionally fine strain of this superb pepper that forms slightly tapered, 4-lobed, dark green fruits, 5 in. long, and 3½ in. thick. They have very thick walls of mild, sweet flavor and turn bright red when mature. Pkt. 10c; ½ oz. 55c; oz. \$1.00; ¼ lb. \$3.00.

RUBY KING. 70 days from plants. Erect plants, vigorous, and very productive. The fruits measure 3 by 5 in. and taper slightly. They are dark green until mature when they turn to rich red. The flesh is tender, crisp, very mild, and tasty. Pkt. 10c; ½ oz. 55c; oz. \$1.00; ¼ lb. \$3.00.

EARLY NEAPOLITAN. 60 days from plants. Also called White Cap. The fruits are 4 in. long and 2 in. at the top, showing a gentle taper toward the base. They are 3-lobed and change from yellowish green to bright red when fully ripe. The flesh is mild and sweet. Highly valued by home gardeners and market growers. Pkt. 10c; ½ oz. 55c; oz. \$1.00; ¼ lb. \$3.00.

PIMIENTO. 73 days from plants. The sweetest of all with very smooth heartshaped fruits, 3½ deep and 2½ in. across the top. Dark green, turning crimson. Extra thick, mild flesh. The best for canning. Pkt. 10c; ½ oz. 65c; oz. \$1.25; ¼ lb. \$3.75.

SUNNYBROOK. 73 days from plants. Small, flattened fruits, 3 by 2 in., changing from deep green to deep glossy red. Pkt. 10c; ½ oz. 65c; oz. \$1.25; ¼ lb. \$3.75.

BELL or BULLNOSE. 60 days from plants. This is the sweet strain. Early, prolific, deep green changing to scarlet. Blunt fruits, 2¾ by 3 in., with thick flesh. Pkt. 10c; ½ oz. 55c; oz. \$1.00; ¼ lb. \$3.00.

Hot Peppers

for Pickles, Relishes, etc.

LONG RED CAYENNE. 70 days from plants. Tapering, twisted, pointed fruits, 4 by ½ in. Red when mature. Pkt. 10c; ½ oz. 60c; oz. \$1.10; ¼ lb. \$3.40.

LARGE THICK HOT. 80 days from plants. Very hot, thick, fruits, 1½ by 6 in., changing from green to red. Pkt. 10c; ½ oz. 60c; oz. \$1.10; ¼ lb. \$3.40.

LARGE RED CHERRY. 85 days from plants. Round, solid, smooth, 1½ in. fruits. Pkt. 10c; ½ oz. 65c; oz. \$1.25; ¼ lb. \$3.75.

PUMPKIN

One oz. to 25 hills; 4 lb. per acre

Sow late May in warm, rich soil, in hills 8 ft. apart and 1 in. deep, or in the cornfield when corn is planted.

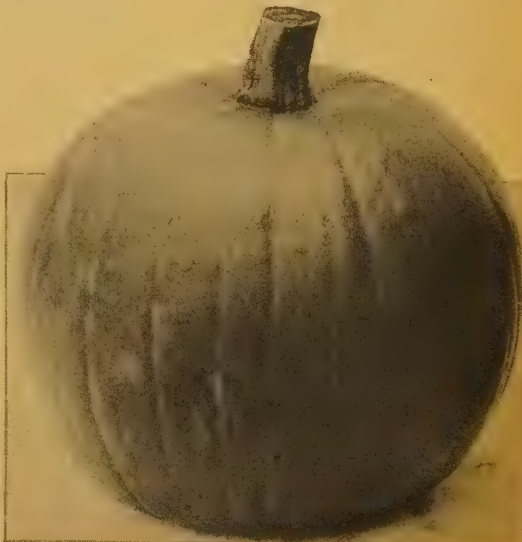
MAMMOTH KING or JUMBO. 120 days. Round, slightly ribbed, bright orange fruits averaging 60 lb. For decorating stores at Hallowe'en and Thanksgiving and for exhibiting at fairs. Pkt. 10c; oz. 35c; ¼ lb. 95c.

CONNECTICUT FIELD or BIG TOM.★ 120 days. Best for pies, canning, stock feeding. Nearly round, hardy, smooth, reddish orange fruits. Pkt. 10c; oz. 30c; ¼ lb. 80c.

LARGE SWEET CHEESE. 108 days. Large, flattened, creamy buff fruits with fine-grained orange flesh of good quality. 10 to 15 lb. each. Pkt. 10c; oz. 30c; ¼ lb. 80c.

MAMMOTH GOLDEN CUSHAW. 115 days. Hard, smooth, crook-necked, golden yellow fruits, 10 to 12 lb. each. Dry, sweet, yellow flesh. Pkt. 10c; oz. 30c; ¼ lb. 80c.

SMALL SUGAR or NEW ENGLAND PIE. 115 days. Nearly round, smooth but ribbed, orange fruits with delicious fine-grained flesh. Pkt. 10c; oz. 30c; ¼ lb. 80c.



Small Sugar Pumpkin

RADISH—Appetizing, Icy-Crisp

One oz. per 100 ft.; 10 lb. per acre. Sow as early in the spring as ground can be worked, $\frac{1}{2}$ in. deep, in rows a foot apart. As tenderness depends on quick growth, plant in light, rich, friable, well manured soil. Thin before they become crowded.

Cultivate, weed, and provide ample moisture. The early round varieties will be ready for use in 3 to 4 weeks. Follow with the longer types in late spring.

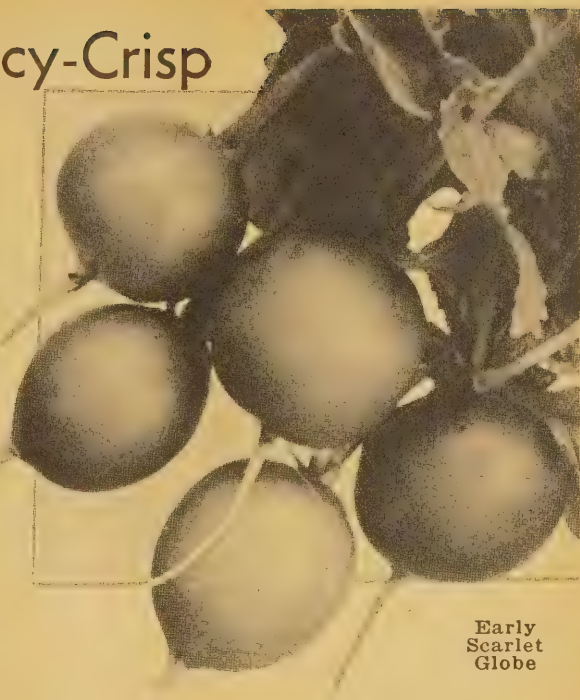
For a continuous supply of tender sweet roots sow every 10 days up to middle of June. Eat them before they reach full size to enjoy them at their best. For fall use sow early in August.

Early Round and Oval Kinds

CHERRY BELLE. 20 days. A beautiful and very choice round radish of bright cherry red color. Has a short top and very small taproot. Best when $\frac{1}{2}$ to $\frac{5}{8}$ in. in diameter. Retains its good eating qualities for a long time and is exceptionally resistant to pithiness. Ideal for home garden, quality markets, and forcing. It is an All America Award Winner of recent introduction. Pkt. 10c; oz. 40c; $\frac{1}{4}$ lb. \$1.10.

CRIMSON GIANT. 28 days. Home gardeners and truckers will find this attractive globe-shaped radish as fine for forcing as for outdoor growing. It is close to twice the size of any early sort and remains in perfect condition for several days after pulling. The roots are deep crimson, 1 to $1\frac{1}{2}$ in. in diameter and have sweet and tender pure white flesh. Pkt. 10c; oz. 30c; $\frac{1}{4}$ lb. 80c.

EARLY SCARLET WHITE TIPPED or SPARKLER. 26 days. One of the most popular and salable varieties. It is very attractive with the round smooth roots combining a rich crimson color with a snow white tip near the small taproot. They are almost round and have a small top of leaves. The flesh is icy white and always crisp and tender. Grows to $1\frac{1}{2}$ in. in diameter without becoming pithy or tasteless. Pkt. 10c; oz. 30c; $\frac{1}{4}$ lb. 80c.



Early
Scarlet
Globe

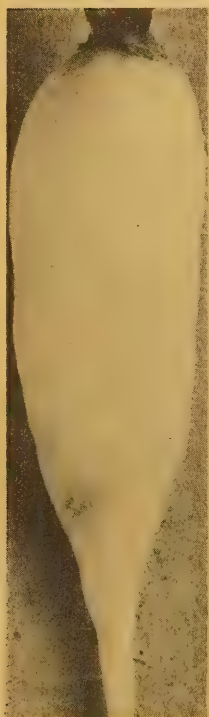
EARLY SCARLET GLOBE. 24 days. Our special strain of this universally popular early radish has for many years been the choice of the most discriminating market gardeners. The roots really are beautiful and what quality. They are olive-shaped, bright scarlet, with tops just right for bunching. Pkt. 10c; oz. 30c; $\frac{1}{4}$ lb. 80c.

FRENCH BREAKFAST. 25 days. For early outdoor growing or forcing. The olive-shaped roots are red on the upper part and white below. Has small tops, a slender taproot, and crisp, pure white flesh. Pkt. 10c; oz. 30c; $\frac{1}{4}$ lb. 80c.

Early Long Radishes

WHITE ICICLE. 27 days. Glassy white roots, 5 to 6 in. long, and $\frac{1}{2}$ in. thick, with crisp, tender, tasty flesh of mild flavor. Easy to force and fine for outdoors. Pkt. 10c; oz. 30c; $\frac{1}{4}$ lb. 80c.

EARLY LONG SCARLET. 27 days. Beautiful bright scarlet roots, 6 in. long, when in prime condition. Excellent, brittle, pure white flesh that is tender, tasty, and mild. Pkt. 10c; oz. 30c; $\frac{1}{4}$ lb. 80c.



White Icicle

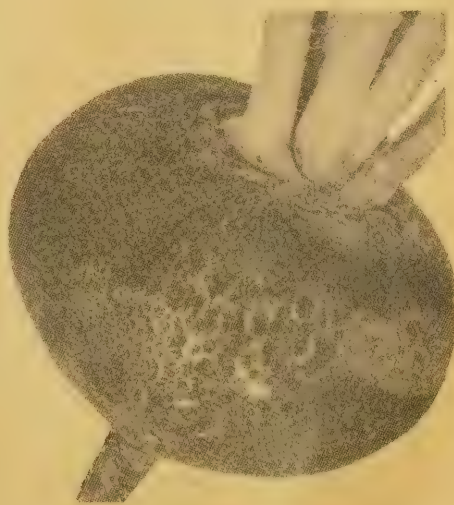
Winter Radishes

July is the best time to sow winter radishes to mature during the cool, moist fall period. They have very firm flesh and may be stored like turnips to keep in good condition through the greater part of winter.

CELESTIAL or WHITE CHINESE. 60 days. The largest and best of the winter kinds; less pungent than others and crisper. Clear white roots, 8 to 9 in. long. Solid white flesh. Pkt. 10c; oz. 35c; $\frac{1}{4}$ lb. 95c.

ROUND BLACK SPANISH. 56 days. Very solid, round, black roots, 2 to 3 in. in diameter. Pungent, white flesh. Keeps exceptionally well. Pkt. 10c; oz. 35c; $\frac{1}{4}$ lb. 95c.

LONG BLACK SPANISH. 60 days. Cylindrical roots, 8 to 10 in. long; 2 in. thick. Black skin; white flesh. Pkt. 10c; oz. 35c; $\frac{1}{4}$ lb. 95c.



Round Black Spanish Winter Radish

Rhubarb

One oz. to 100 ft.; 3 lb. per acre. Sow in spring, an inch deep. Thin to 6 in. A year later transplant to permanent location, 2 ft. apart in the row with 3 or 4 ft. between rows.

VICTORIA. The most popular. Thick, large, red stalks of finest flavor. Pkt. 10c; ½ oz. 25c; oz. 45c; ¼ lb. \$1.25.

Rhubarb Roots

Thirty roots to 100 ft.

Plant in heavily manured, rather moist soil, 2 ft. apart, 3 to 4 ft. between rows, with crowns 2 in. below surface.

VICTORIA ROOTS. Plant in early spring in rich soil. 3 for \$1.00; 6 for \$1.75; 12 for \$3.00.

Salsify or Oyster Plant

Two oz. per 100 ft.; 8 lb. per acre. Grows best in deep, rich, well-prepared soil, free from stones and fresh manure. Sow ½ in. deep in early spring with 2 ft. between rows. Ready in fall. Frost improves the flavor of the roots. May be left where growing all through the winter for a spring supply.

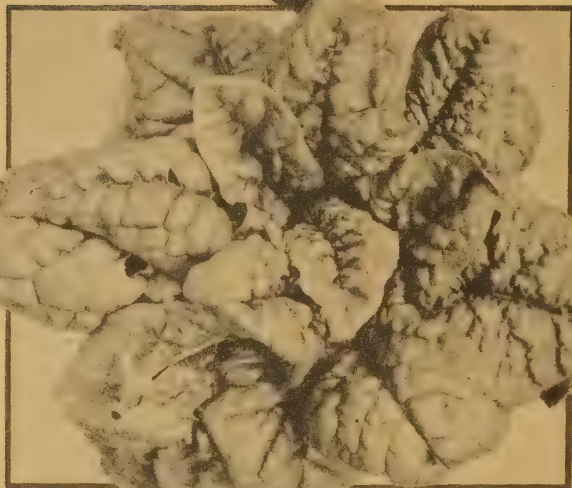


Mammoth Sandwich Island. 110 days. Tapering roots, 7 to 8 in. long, and about an inch thick at the shoulder. Almost white skin and delicious, mild flesh having an oyster-like flavor. Pkt. 10c; ½ oz. 40c; oz. 75c; ¼ lb. \$2.25.

Sorrel

BROAD - LEAVED. 60 days. The best for spring salads, soups, or cooked as greens. Attractive bright green, slightly acid leaves of good flavor and very palatable. Sow 1 oz. to 100 ft.; 5 lb. per acre in early spring, ½ in. deep, with 1½ ft. between rows. Keep flower stems cut. Hardy. Pkt. 10c; ½ oz. 50c; oz. 90c; ¼ lb. \$2.65.

SPINACH



Bloomsdale Long Standing

One oz. per 100 ft.; 10 lb. per acre in drills, 20 lb. per acre broadcast. A cool weather crop to be sown as early in spring as possible. For succession sow every 10 days until May 15. For a fall crop sow in August, and for winter in September. Sow ½ in. deep in well-prepared, fertilized, and limed soil with rows 1 ft. apart. Thin to 4 in. in the row. Excess rain after sowing can rot the seed and make resowing necessary.

Hot weather will cause plants to develop seed stalks before a large rosette of leaves has formed, except in the case of New Zealand spinach. In rich, mellow soil the plants develop quickest and a side dressing of quickly available nitrogen is usually given by commercial growers to hasten maximum growth.

LONG-STANDING BLOOMSDALE.★ 42 days. The best all-around variety combining the good characteristics of Bloomsdale with the ability to last longer into the warm season without bolting to seed. Vigorous, hardy, compact, rather erect plants with rich glossy green leaves which are very thick, heavily savoyed and crumpled, tender, and of excellent quality. Pkt. 10c; oz. 30c; ¼ lb. 80c.

BLOOMSDALE DARK GREEN.★ 40 days. There is none better for early spring sowing. It is the one used almost entirely by the large spinach growers who ship to local or distant markets. Medium large, very thick, savoyed and crumpled, dark green leaves of excellent quality. Pkt. 10c; oz. 30c; ¼ lb. 80c.

NOBEL or GIANT THICK-LEAVED.★ 45 days. The giant of them all developing extra large plants with thick, smooth leaves of broad arrow shape and pointed tip. Bright green, inclined to become crumpled during cool weather and at maturity. Of quick growth and slow-bolting. Pkt. 10c; oz. 30c; ¼ lb. 80c.

NEW ZEALAND SPINACH

70 days. The hot weather spinach for the home garden. Sown an inch deep in early spring the plants will yield all summer long if the young tips only are picked. Not a true spinach but its texture and taste are so similar that few can tell the difference when it is served. The bushy, spreading plants will yield right up to frost. A wonderful summer green. Pkt. 10c; oz. 40c; ¼ lb. \$1.10.

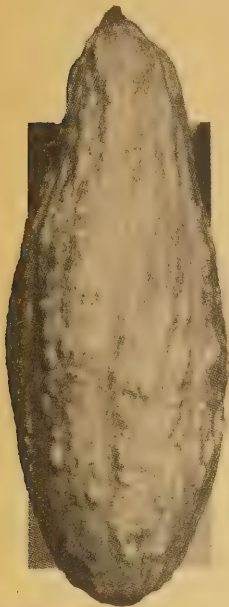


New Zealand Spinach

★ Recommended For Freezing

Early SUMMER SQUASH

Bush Varieties—One oz. for 25 hills; 4 lb. per acre



Early Prolific Straightneck

Delicious baked, boiled, mashed, or fried while the skin is still soft and tender. Sow in May or June in rich, warm soil, 1 in. deep, in hills 4 ft. apart. Thin to 3 strongest plants per hill and dust or spray against insects. Give shallow cultivation and avoid planting near pumpkins. Not for winter storage.

EARLY PROLIFIC STRAIGHTNECK.★

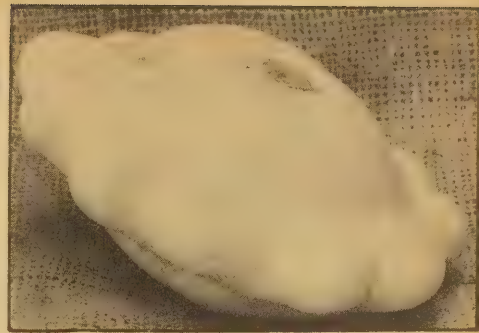
50 days. 12 in. long and 3½ in. thick, but most delicious when half that size. Clear yellow skin; tasty white flesh. Pkt. 10c; oz. 35c; ¼ lb. 95c.

Early Yellow SUMMER CROOKNECK.

50 days. The most popular of the summer varieties. Heavily warted, golden yellow fruits curved at neck; 10 in. long and 3 in. thick. Firm, tender, richly-flavored, pale cream flesh. Pkt. 10c; oz. 35c; ¼ lb. 95c.

COCOZELLE GREEN STRIPED.

50 days. Deep green when young but striped yellow later on. Smooth, cylindrical fruits, 12 in. long, 3 in. thick. Tasty, thick, greenish flesh. Pkt. 10c; oz. 35c; ¼ lb. 95c.



Early White Bush or Patty Pan

EARLY WHITE BUSH or Patty Pan.

53 days. Flattened, smooth fruits with scalloped edges, 8 in. across and 3 in. thick, but most delicious if used before fully grown. Firm, milky white flesh of tender flavor. Widely grown for home, market, and shipping. Pkt. 10c; oz. 35c; ¼ lb. 95c.

BLACK ZUCCHINI. 60 days. A

real treat to the palate when only 6 in. long and 1½ in. thick when it usually is served with the dark green skin. Has crisp, fine-textured, white flesh of an appetizing mild flavor. Quickly becoming one of the favorites. Pkt. 10c; oz. 35c; ¼ lb. 95c.

WINTER SQUASH—Vining Varieties

One oz. to 15 hills; 2 lb. per acre. Sown the same as summer squash but with 6 to 8 ft. between hills for the vines to roam. When fully matured they can be stored through almost the entire winter but must not be kept cooler than 50° and the stem must be kept attached.

BUTTERNUT. 95 days. Pear-shaped, 8 to 10 in. long, and 4 to 5 in. at widest point. Weight 2½ to 4 lb. Hard, yellow cream skin. Solid, dry, sweet, rich yellow flesh. Fine for baking and pies. Pkt. 10c; ½ oz. 30c; oz. 55c; ¼ lb. \$1.45.

TABLE QUEEN or ACORN.

58 days. Dark green fruits of acorn shape. 5½ by 4 in. Sweet orange - yellow flesh. Good in summer, too. Pkt. 10c; ½ oz. 25c; oz. 40c; ¼ lb. \$1.10.



Lucullus Swiss Chard

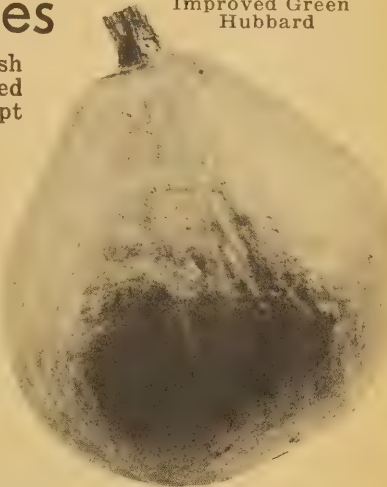
BOSTON MARROW.★ 95

days. Of Hubbard shape with hard, brittle, slightly rough, orange-buff skin. Delicious, thick, firm, fine-grained, moist, sweet, golden orange flesh. Productive. Grown in the North for canning and freezing. Pkt. 10c; ½ oz. 25c; oz. 40c; ¼ lb. \$1.10.

Improved GREEN HUBBARD.★

105 days. The famous Hubbard squash. Ivy green, slightly warted fruits of medium size, weighing 10 to 12 lb. each. Thick, dry, sweet, fine-grained, orange-yellow flesh. The leading winter squash. Pkt. 10c; ½ oz. 25c; oz. 40c; ¼ lb. \$1.10.

Improved Green Hubbard



RED or GOLDEN HUBBARD.

100 days. Smaller, earlier, more prolific than Green Hubbard with warted, golden red skin. Tasty orange flesh. Pkt. 10c; ½ oz. 25c; oz. 45c; ¼ lb. \$1.25.

SWISS CHARD

Two oz. per 100 ft.; 8 to 10 lb. per acre

LUCULLUS. 50 days. The largest and most popular. Strong, erect plants with broad, heavily crumpled, light green leaves and faint green mid-rib. Pkt. 10c; oz. 30c; ¼ lb. 80c.

Takes the place of spinach during the hot summer and fall periods and tastes much the same: The white stalks and ribs may be prepared in the same way as Asparagus. Sow ½ to 1 in. deep in rich, well-prepared soil early in spring with 2 ft. between rows. Thin to 6 in. Cultivate frequently and use before fully grown. By picking the outer leaves only the center will continue to produce until frost.

LARGE RIBBED WHITE.

50 days. This has large, almost flat leaves of medium green color, and a large, broad mid-rib in the center of each. Pkt. 10c; oz. 30c; ¼ lb. 80c.

TOMATOES

Marglobe



MARGLOBE. 77 days from plants. The most popular, making vigorous vines with heavy foliage; resistant to blight and nail-head rust. Medium to large, scarlet fruits — large, globe-shaped, solid, smooth, meaty, and small-seed cavity. Very tasty. Pkt. 10c; ½ oz. 55c; oz. \$1.00; ¼ lb. \$3.00. Certified. Pkt. 15c; ½ oz. 65c; oz. \$1.25; ¼ lb. \$3.75.

JOHN BAER. 70 days from plants. A well-known early tomato, a little later than Earliana. Vines of open, medium-high growth. The fruits are medium size, of flattened globe-shape, smooth, firm, and have a good flavor. Good for juice or whole pack. Pkt. 10c; ½ oz. 40c; oz. 75c; ¼ lb. \$2.70.

Pa. Certified: Pkt. 15c; ½ oz. 55c; oz. \$1.00; ¼ lb. \$3.00.

Crown-Picked Pa. Certified: Pkt. 25c; ½ oz. 80c; oz. \$1.50; ¼ lb. \$4.40.

One oz. for 3000 plants; 4 oz. per acre. For an early crop start indoors or the hotbed in February or early March. Sow ½ in. deep in sandy soil. Transplant to pots or boxes when 3 in. tall. Set out after all danger of frost is past. For late crop sow in warm coldframe April 1. Transplanting will help to produce stockier plants. Set out as above.

Tomatoes require a rich, well-drained soil and must be dusted or sprayed against insects and diseases from the time they are up until they bear.

Plants for Certified Seed are inspected for vigor, disease and trueness to type by the State Department of Agriculture. Each field of Tomatoes must meet the high standards required by the Bureau of Plant Industry. The choicest first picking of fruits are used for Crown Picked Seed.

Early and Main Crop Varieties

RUTGERS. 86 days from plants. A wonderful second-early for market, canning, and juice. Large, thick-stemmed vines and heavy foliage. Medium to large deep-globe, blood-red fruits of excellent quality. Pkt. 10c; ½ oz. 40c; oz. 75c; ¼ lb. \$2.25.

Pa. Certified: Pkt. 15c; ½ oz. 55c; oz. \$1.00; ¼ lb. \$3.00.

Crown Picked Pa. Certified: Pkt. 25c; ½ oz. 80c; oz. \$1.50; ¼ lb. \$4.40.

IMPROVED EARLIANA. 66 days from plants. Considered the earliest for the home garden and a profitable market sort. Open spreading, productive vines and slightly flattened, solid, deep red fruits. Pkt. 10c; ½ oz. 55c; oz. \$1.00; ¼ lb. \$3.00.

PRITCHARD or SCARLET TOPPER 73 days from plants. An excellent wilt-resistant variety for late mid-season. Self-topping vines of strong growth, and a heavy yielder of deep scarlet, deep-globe fruits. Pkt. 10c; ½ oz. 40c; oz. 75c; ¼ lb. \$2.25.

Certified. Pkt. 15c; ½ oz. 55c; oz. \$1.00; ¼ lb. \$3.00.

Rutgers

Maturity dates
do not include
period previous
to setting out



Pink-Fruited Tomatoes

GIANT PONDEROSA. 88 days from plants. One of the largest late home garden tomatoes with open, spreading vines. The purplish pink fruits are flat but deep and inclined to be lobed. Solid, with few seeds. Free from acid and very mild flavor. Pkt. 10c; ½ oz. 75c; oz. \$1.40; ¼ lb. \$4.25.

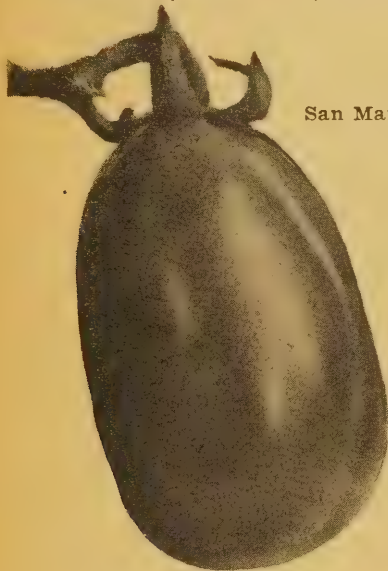
OXHEART. 90 days from plants. Easily recognized by its heart-shaped fruits and deep pink color that appeals to many home gardeners. Individual fruits may weigh as much as 1½ lb. each. They are very solid and meaty, and have a mild flavor. Pkt. 15c; ½ oz. 80c; oz. \$1.50; ¼ lb. \$4.50.

Yellow-Fruited Kinds

Are least acid and consequently much enjoyed by those adversely affected by the red sorts.

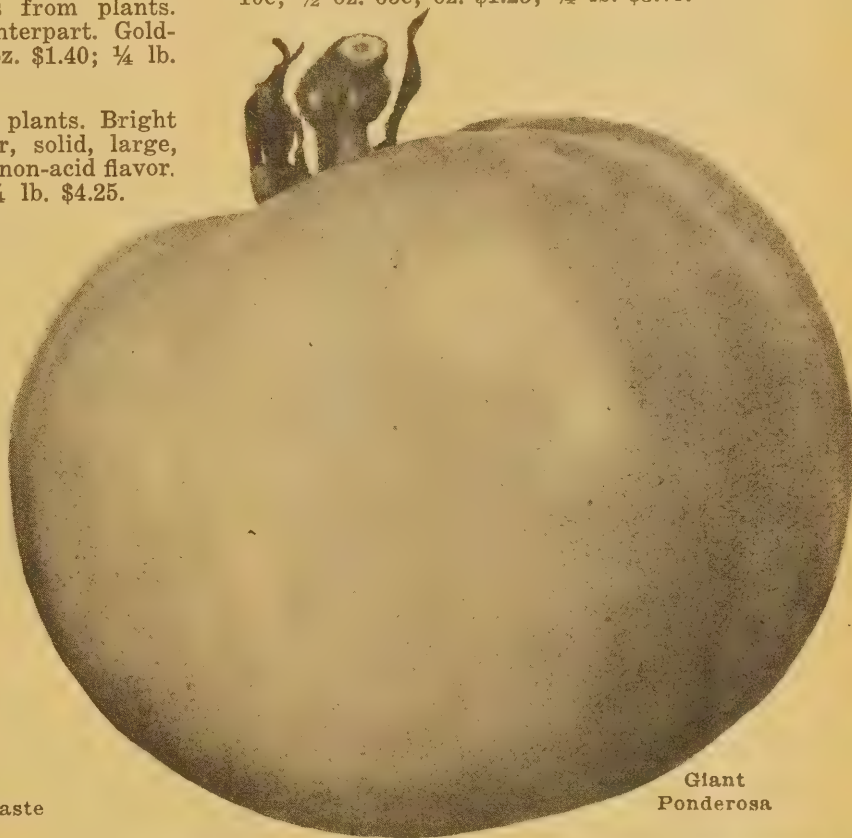
GOLDEN PONDEROSA. 88 days from plants. As large and meaty as its red counterpart. Golden yellow. Pkt. 10c; ½ oz. 75c; oz. \$1.40; ¼ lb. \$4.25.

ORANGE JUBILEE. 72 days from plants. Bright golden orange fruits — globular, solid, large, about 6 oz. each. Mellow and mild non-acid flavor. Pkt. 10c; ½ oz. 75c; oz. \$1.40; ¼ lb. \$4.25.



San Marzano

The Favorite for Tomato Paste



Giant Ponderosa

Small-Fruited Tomatoes

Excellent for pies, preserves, canning and eating raw after being chilled.

RED CHERRY. 73 days from plants. Cherry shape and size. Pkt. 10c; ½ oz. 55c; oz. \$1.00; ¼ lb. \$3.00.

RED PEAR. 73 days from plants. Pear-shaped; 1½ in. long. Pkt. 10c; ½ oz. 55c; oz. \$1.00; ¼ lb. \$3.00.

YELLOW PEAR. 73 days from plants. 1½ in. long. Pkt. 10c; ½ oz. 55c; oz. \$1.00; ¼ lb. \$3.00.

YELLOW PLUM. 73 days from plants. 1¾ in. long. Pkt. 10c; ½ oz. 55c; oz. \$1.00; ¼ lb. \$3.00.

SAN MARZANO. 80 days from plants. Mild, oval fruits, 2½ by 1½ in., full of mellow meat. Used by Italians for making puree and sauce. Pkt. 10c; ½ oz. 75c; oz. \$1.40; ¼ lb. \$4.25.

GREATER BALTIMORE. 83 days from plants. Large, vigorous vines and very productive. Bears medium to large, deep scarlet fruits of superb quality. They are flat but deep and very meaty. Pkt. 10c; ½ oz. 40c; oz. 75c; ¼ lb. \$2.25.

Certified: Pkt. 15c; ½ oz. 55c; oz. \$1.00; ¼ lb. \$3.00.

STONE IMPROVED. 85 days from plants. Of uniform deep scarlet color and very productive. The large, oval fruits are free from cracks. Excellent for canning and slicing. Pkt. 10c; ½ oz. 40c; oz. 75c; ¼ lb. \$2.25.

Certified: Pkt. 15c; ½ oz. 55c; oz. \$1.00; ¼ lb. \$3.00.

CRIMSON CUSHION or BEEFSTEAK. 90 days from plants. A scarlet counterpart of Ponderosa. Fully as large, meaty, and productive. Pkt. 10c; ½ oz. 65c; oz. \$1.25; ¼ lb. \$3.75.



Yellow Pear

TURNIPS

One oz. per 200 ft.; 2 lb. per acre. In drills, 3 lb. broadcast. Turnips require cool weather and thrive best in spring and fall. For an early crop sow as soon as the soil can be worked to reach edible size before hot weather arrives. For late harvest sow in late summer or early fall. Pull after freezing has set in and store in an outdoor pit or cool cellar.

Sow in good rich soil in drills or broadcast and cover $\frac{1}{2}$ in. deep. Make rows $1\frac{1}{2}$ to 2 ft. apart. Thin when large enough to handle to stand 3 to 4 in. apart in the row. Foliage turnips are popular spring and fall greens especially in the South where they are sown in early spring and in August and September.



Mammoth Purple-Top White Globe

White-Fleshed Varieties

MAMMOTH PURPLE-TOP WHITE GLOBE.★

60 days. This very fine selection continues to be the most popular. A sure cropper producing enormous yields of uniform, handsome turnips, white with purple top and of 4 to 6 in. diameter. Smooth, fine grained, sweet, and tender. Much grown for stock feeding. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 60c; lb. \$1.75.

POMERANIAN or LARGE WHITE GLOBE.

70 days. Good for table use when young but mostly grown for stock feeding. The globular roots are 4 to 6 in. across and weigh 5 to 8 lb. each. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 50c; lb. \$1.50.

EARLY WHITE EGG. 55 days.

Attractive egg-shaped roots, 3 to $3\frac{1}{2}$ in. long and 2 to $2\frac{1}{2}$ in. thick. Firm, fine grained, mild, sweet flesh. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 50c; lb. \$1.50.

EARLY RED or PURPLE-TOP FLAT. 45 days.

A good table sort while young and excellent for stock feeding when fully grown. The roots are flat, 3 to 5 in. in diameter, and half as deep. White with purplish red top. White mild flesh. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 50c; lb. \$1.50.

EARLY WHITE FLAT DUTCH. 45 days.

Flat, fine-grained, sweet, white roots; 3 to 5 in. in diameter and $1\frac{1}{2}$ in. deep. A fine early sort. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 50c; lb. \$1.50.

COW HORN or LONG WHITE. 70 days.

White roots with light green top; 12 in. by $2\frac{1}{2}$ in. Tasty while young; excellent for stock when mature. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 50c; lb. \$1.50.

Foliage Turnips for Greens

SEVEN TOP. 45 days.

Planted throughout the South for delicious greens supplied by the tender, young shoots. Also for stock grazing. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 50c; lb. \$1.50.

SHOGIN or JAPANESE FOLIAGE. 42 days.

A dual purpose variety with appetizing edible tops besides forming oval to round white roots 3 to 4 in. in diameter. Their white flesh is very mild and tender. The bright green strap-leaved tops are equally tender and fine-flavored. Resists both insect and hot, dry weather well. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 50c; lb. \$1.50.



Amber Globe

Yellow-Fleshed Varieties

AMBER GLOBE or YELLOW GLOBE. 75 days.

Excellent for table and stock feeding. Globular, light yellow with green top. Sweet, pale yellow flesh. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 50c; lb. \$1.50.

PURPLE-TOP YELLOW ABERDEEN. 60 days.

Good for table when small but mostly grown for stock. Large, cut-leaved tops. Solid roots; pale yellow with purplish top. Sweet, pale yellow flesh. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 50c; lb. \$1.50.

RUTABAGA or Swedish Turnip

One oz. per 200 ft.; 2 lb. per acre. Sow in drills on raised flat ridges in late June, $\frac{1}{2}$ in. deep with rows 2 ft. apart. Pull soil up as they develop. Pull after frost, top, and store in pit or cellar.

IMPROVED PURPLE-TOP YELLOW. 90 days.

The largest and most productive for table, stock, storage, shipping. Sweet, tender, fine-grained. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 60c; lb. \$1.75.

BUCK'S COUNTY. 80 days.

Very choice, early, light yellow with purple top and neckless. Fine-grained, tender, creamy flesh of delightful mild flavor. Pkt. 10c; oz. 35c; $\frac{1}{4}$ lb. 95c; lb. \$2.75.

GOLDEN NECKLESS. 85 days.

Yellow with purple top. Long globe with small neck and top. Golden flesh; orange when cooked. Very tender, mild, and sweet. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 60c; lb. \$1.75.

MACOMBER or Sweet German. 88 days.

Round, almost neckless; white with greenish-purple top. White flesh. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 60c; lb. \$1.75.

WATERMELONS

One oz. to 30 hills; 1 lb. per acre. Sow when soil is warm in sandy, moderately acid, well drained, heavily fertilized soil, 8 to 10 seeds per hill, spaced 8 ft. apart. Cover seed 1 in. deep. Thin to 3 or 4 plants per hill. Cultivate as long as vine growth permits. The fruits are ripe when they respond with a hollow, low sound when tapped with the knuckle. Unripe fruits have a high pitch. Keep plants protected against insects.

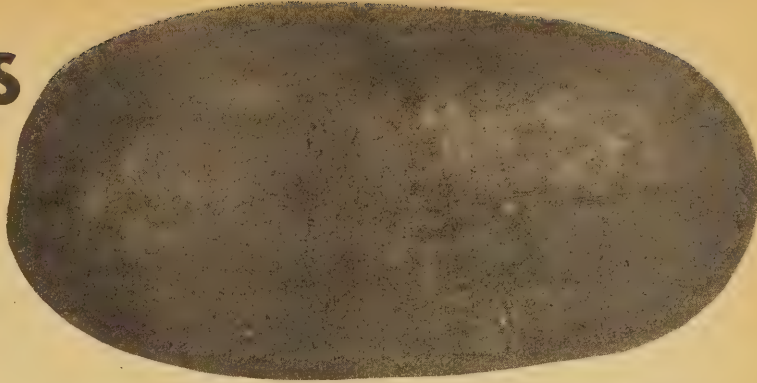
DIXIE QUEEN. 90 days. Wilt-resistant. Unbeatable for home gardens, market, truckers and shippers. Nearly round, weighing 35 lb. or more. Light green, striped and blotched dark green. Thin, tough rind. Very sweet flesh. Pkt. 10c; oz. 50c; ¼ lb. \$1.50.

FLORIDA GIANT. 90 days. You may know this as Black Diamond or Cannonball. Very large, 50 to 60 lb., nearly round, very dark green with tough, hard rind. Vigorous and prolific. Firm, crisp, fine textured, sweet flesh. A wonderful shipper. Pkt. 10c; oz. 40c; ¼ lb. \$1.10.

TOM WATSON. 90 days. The ideal shipping melon. Fruits 20 in. long, 10 in. thick, and weighing 30 to 40 lb. Rich deep green, indistinctly veined. Elastic, tough rind and most delicious rich red flesh ripening close to the rind. Pkt. 10c; oz. 35c; ¼ lb. 95c.

GEORGIA RATTLESNAKE. 90 days. An excellent shipper — large, productive, and very sweet. Grows 30 in. long, 10 in. thick, and weighs 30 to 40 lbs. Light green, irregularly mottled with dark green stripes. Rind very tough. An old favorite. Pkt. 10c; oz. 35c; ¼ lb. 95c.

STONE MOUNTAIN. 90 days. Very large, nearly round fruits, 17 by 14 in., and weighing 30 to 50 lb. grown in the South. Smaller in the North. Dark green skin with indistinct veining. Rind tough enough for careful shipping. Extra sweet, bright crimson flesh. One of the best for every purpose. Pkt. 10c; oz. 35c; ¼ lb. 95c.



Improved Kleckley's Sweet

IMPROVED KLECKLEY'S SWEET or WONDER. 85 days. Outsell all others for home and local market use. There is none finer but the rind is too thin for distant shipping. Dark bluish green fruits with faint ribbing, 24 in. long and 12 in. thick. Crisp, smooth, deliciously sweet, bright scarlet flesh. Pkt. 10c; oz. 35c; ¼ lb. 95c.

IRISH GRAY. 90 days. Has large, oblong fruits of 30 lb. with smooth, distinctly mottled greenish-gray rind that is tough and hard. Very productive and appreciated for its firm, sweet flesh of bright red color. A melon for every purpose. Pkt. 10c; oz. 35c; ¼ lb. 95c.

GARRISON. 90 days. A splendid large melon for local markets in the South. Cylindrical white fruits with irregular green stripes. Sweet bright red flesh. Pkt. 10c; oz. 45c; ¼ lb. \$1.25.

CONGO. 90 days. This All America selection is anthracnose resistant and of choicest quality. A beautiful shipping melon weighing up to 50 lb. Cylindrical with medium green rind, striped darker green. The flesh is fiery red and solid, crisp, and sweet as one would expect from a winner. Pkt. 10c; oz. 50c; ¼ lb. \$1.50.

GOLDEN HONEY. 85 days. This is by no means just a curiosity but a delicious and productive sort with frosty yellow flesh. The nearly round fruits weigh 20 lb. Light with mottled darker green stripes. Pkt. 10c; oz. 45c; ¼ lb. \$1.25.

HERBS—Aromatic, Medicinal, Kitchen

ANISE. Annual; 14-16 in. Seeds used for flavoring bread, cakes, cordials, and for garnishing. Pkt. 10c; ½ oz. 55c; oz. \$1.00; ¼ lb. \$3.00.

BASIL, SWEET. Annual; 12 in. Leaves used for seasoning, salads, soups, and fruit drinks. Pkt. 10c; ½ oz. 60c; oz. \$1.10; ¼ lb. \$3.40.

BORAGE. Annual; 18 in. Leaves used for garnishing, cucumber salad, and cordials. Showy blue flowers. Pkt. 10c; ½ oz. 55c; oz. \$1.00; ¼ lb. \$3.00.

CARAWAY. Biennial; 2 ft. Seed used for flavoring bread, pastry, baked fruits, and liqueurs. Pkt. 10c; ½ oz. 35c; oz. 65c; ¼ lb. \$1.95.

CHERVIL. Annual; 5 in. An aromatic and pungent salad addition with bright green curly leaves. Pkt. 10c; ½ oz. 35c; oz. 60c; ¼ lb. \$1.75.

CHIVES. Perennial; 6 in. Mildly onion-flavored leaves for salads, soups and stews. Pkt. 10c; ½ oz. 60c; ¼ oz. 90c; oz. \$1.75.

CORIANDER. Annual; 2 ft. Seeds used for flavoring candy, medicine, and cordials. Pkt. 10c; ½ oz. 40c; oz. 75c; ¼ lb. \$2.25.

DILL, MAMMOTH. Annual; 2 to 3 ft. Seeds and leaves used for dill pickles and dill sauce. Pkt. 10c; oz. 30c; ¼ lb. 85c.

FENNEL, Sweet. Biennial; 3 to 4 ft. Edible stalks like celery. Leaves for flavoring sauce and soups. Seeds to flavor candy and medicine. Pkt. 10c; ½ oz. 40c; oz. 75c; ¼ lb. \$2.25.

MARJORAM, SWEET. Perennial; 2 ft. Leaves used for seasoning salads, soups, poultry fillings, etc. Pkt. 10c; ½ oz. \$1.10; oz. \$2.00; ¼ lb. \$6.00.

ROQUETTE. Annual; 12 in. Thick, dull green leaves with strong, pungent flavor for "greens". Pkt. 10c; ½ oz. 55c; oz. \$1.00; ¼ lb. \$3.00.

SAGE, Broad-Leaf. Perennial; 2 ft. Leaves for seasoning meats, poultry dressings, etc. Pkt. 10c; ½ oz. \$1.10; oz. \$2.00; ¼ lb. \$6.00.

SAVORY, SUMMER. Annual; 10 in. Leaves and shoots used in salads, soups, stews, snap beans, etc. Pkt. 10c; ½ oz. 60c; oz. \$1.10; ¼ lb. \$3.40.

THYME, BROAD-LEAVED ENGLISH. Perennial; 10 in. Leaves added to others for flavoring meats, gravy, filling, etc. Pkt. 10c; ½ oz. \$1.00; oz. \$2.25; ¼ lb. \$5.75.

Separate GRASS SEED Varieties

For Lawn Grass Mixtures, see Back Cover—Prices Subject to Change without Notice

KENTUCKY BLUE GRASS. The most valuable grass in lawn and pasture mixtures. Germinates slowly and takes a year to become established. Sow 20 lb. per acre for pasture; 5 lb. to 1000 sq. ft. of lawn. Deep green with narrow blades. Lb. \$.275; 10 lb. \$26.75; 25 lb. \$66.50.

COLONIAL BENT GRASS. Makes a fine, dense sod of good color. Grows well on well-drained and acid soil. Spreads from underground root runners. For lawns sow 5 lb. per 1000 sq. ft. Lb. \$.225; 10 lb. \$21.75; 25 lb. \$54.00.

SEASIDE BENT GRASS. Excellent for putting greens and lawns. Dark green; creeping habit. Does well on moist soil but adapts itself to almost any other kind, especially if acid. For lawns sow 5 lb. per 1000 sq. ft. Lb. \$.225; 10 lb. \$21.75; 25 lb. \$54.00.

BERMUDA GRASS. Very valuable in states south of Virginia. Lasts for years, resists heat and drought. Fine for lawns and heavy grazing. Germinates slowly. For pastures sow 10 lb. per acre; for lawns 5 lb. per 1000 sq. ft. Sow in warm soil. Lb. \$1.35; 10 lb. \$12.75; 25 lb. \$31.50.

CARPET GRASS. A valuable pasture grass for poor, sandy soils in the South if moisture is not lacking. Makes good lawn and golf course sod. For pasture 10 lb. per acre; lawns 5 lb. per 1000 sq. ft. Lb. \$1.25; 10 lb. \$11.75; 25 lb. \$29.00.

ALTA FESCUE. A deep-rooted perennial for pasture even if poorly drained. Has wide adaptability to climate and soil. Has long growing season and is very nutritious. For pasture 30 lb. per acre. Lb. 80c; 10 lb. \$7.25; 25 lb. \$17.75.

CHEWING'S FESCUE. Excellent for fine lawns and putting greens, resisting drought and doing well in the shade. Fine bladed, of good color, and permanent. Makes a close sod on sandy soil. For pasture sow 30 lb. per acre; lawns 8 lb. per 1000 sq. ft. Lb. \$1.40; 10 lb. \$13.25; 25 lb. \$33.75.

CREEPING RED FESCUE. Valuable for lawns, putting greens, and pasture. Resists extreme heat and thrives on poor soils, sandy ones, and in shade. For lawns sow 8 lb. per 1000 sq. ft. Lb. \$1.30; 10 lb. \$12.25; 25 lb. \$30.25.

MEADOW FESCUE. Also called English Bluegrass. A valuable fragrant grass for permanent pasture or hay. For pasture sow 30 lb. per acre. Lb. \$1.00; 10 lb. \$9.25; 25 lb. \$22.75.

ORCHARD GRASS.—Very important in orchards, pastures, and shaded places. Grows very rapidly, is early, and does not suffer from close grazing. For pasture sow 30 lb. per acre. Lb. 80c; 10 lb. \$7.25; 25 lb. \$17.75.

RED TOP, Fancy Recleaned. Extremely valuable for pastures and in lawn mixtures because of its early good growth. Thrives in any soil. For pastures sow 15 lb. per acre; lawns 3 lb. per 1000 sq. ft. Lb. \$1.65; 10 lb. \$15.75; 25 lb. \$39.00.

ROUGH-STALKED MEADOW GRASS. (*Poa trivialis*) Resembles Kentucky Blue in color but has slightly wider blades. Superb for shady lawns and pastures. Not good in dry or sunny places. For pasture sow 20 lb. per acre; lawns 5 lb. per 1000 sq. ft. Lb. \$1.50; 10 lb. \$14.25; 25 lb. \$35.25.

DOMESTIC RYEGRASS. Valuable for pastures and lawn where quick results are required. Does well on almost any soil. For pasture sow 30 lb. per acre; for lawns 10 lb. per 1000 sq. ft. Lb. 55c; 10 lb. \$4.75; 25 lb. \$11.50.

PERENNIAL RYEGRASS, English. A nutritious permanent pasture and hay grass by itself or in mixtures. Also used in lawn mixtures. For pasture sow 30 lb. per acre; for lawns 10 lb. per 1000 sq. ft. Lb. 65c; 10 lb. \$5.75; 25 lb. \$14.00.

TIMOTHY. Most important of all hay grasses. For pasture sow 15 lb. per acre either in spring or fall. Use less in combinations. Lb. 60c; 10 lb. \$5.25; 25 lb. \$12.75.

FIELD and FARM SEEDS

MANGEL, Mammoth Long Red. 110 days. Heavy, long, thick-tapering roots with light red skin. Rosy white flesh. For stock feeding. Pkt. 10c; oz. 25c; ¼ lb. 65c; ½ lb. \$1.05; lb. \$1.95.

FIELD CORN 15 lb. will plant one acre

GOLDEN DENT. 110 days. Most popular yellow in all localities. Grows 9-10 ft. tall. Ears 8-10 in. long with 14 to 18 rows of deep grains on red cob. Excellent foliage for nourishing fodder. ½ peck (7 lb.) \$1.75; peck (14 lb.) \$3.00.

EARLY LEAMING. 100 days. The earliest of the yellow dent varieties and consequently in great demand. Stalks 9-10 ft. tall. Heavy 9 in. ears with 14 to 18 rows of deep, yellow grains on red cob. ½ peck (7 lb.) \$1.75; peck (14 lb.) \$3.00.

RAPE, Dwarf Essex. For pasture and greens. Sow Aug.-Apr. in South; Mar.-May and Aug.-Oct. in North. Broadcast 10 lb. per acre; 5 lb. drilled. Oz. 10c; ¼ lb. 25c; lb. 60c; 5 lb. \$2.75; 10 lb. \$5.00.

U. S. No. 13 HYBRID 115 days. A very productive hybrid variety reaching a height of 12 ft. with ears 12 in. long, set with 20 rows of deep, yellow grains. The heavy foliage furnishes excellent silage. ½ peck (7 lb.) \$2.25; peck (14 lb.) \$4.00.

SNOWFLAKE. 110 days. The best white corn we know of. Stalks are 10 ft. tall and ears 12 in. long, with 16 or 18 rows of deep, white grains. Gives good roasting ears in 63 days. A very popular variety. ½ peck (7 lb.) \$1.75; peck (14 lb.) \$3.00.

TOBACCO

One oz. for 5000 Plants
Sufficient for 1 acre

A very profitable crop in certain sections of the country requiring a good, rich loam soil. Full growing directions sent with each purchase.

IMPROVED GOLD LEAF.

Used flue-cured in the southern bright tobacco belt. Likes sandy soil. Upright with long, broad, tapering leaves. Pkt. 10c; ½ oz. 50c; oz. 90c.

IMPROVED WHITE BURLEY.

Adapted to a wide range. Has easy-to-cure, medium long, fine-textured leaves. Excellent for chewing and pipe tobacco. Pkt. 10c; ½ oz. 50c; oz. 90c.

PENNSYLVANIA SEED LEAF

Also called Connecticut Seed Leaf. Much grown in all the northern cigar leaf states. Pkt. 10c; ½ oz. 50c; oz. 90c.

NEW LEADERS in the Flower World

New for 1954

ZINNIA — BLAZE

This brand new 1954 All America Winner has everything. You never saw a Zinnia of such intense red color and artistic form; every bit as large as the picture to the right and many blooms 5 inches in diameter if grown in good soil.

Opens a gorgeous mandarin red; brilliant orange-scarlet when in full bloom.

Can you think of any Zinnia that is more graceful? None of that stiffness associated with the old-fashioned sorts, with the petals gracefully quilled and twisted, and arranged to make a great, big, fully double, round flower to win your heart instantly.

Let them bloom for you from mid-summer until frost. 2½ to 3 feet tall and very bushy. 8295 Pkt. 35c.



COSMOS — RADIANCE

Just picture a Cosmos with deep rose blooms, 4 to 6 inches across, each with a large, deep crimson blotch around the small yellow center. Yes, that is Radiance—the most sensational of the Sensation type. Grows 4 to 6 feet tall and blooms profusely from mid-summer until severe frost.

3554 Pkt. 15c; ¼ oz. 55c; ¼ oz. \$1.00.



ZINNIA — PERSIAN CARPET

You'll just love it and there is nothing more appropriate where beds and borders call for foot-high plants that provide rich color from mid-summer until frost. Keeps right on blooming after the first light white frost has damaged most other annuals. The double flowers, about the size of a silver dollar, are startlingly colorful. Most are two-toned combining rich mahogany red with silvery tips of yellow, gold, and orange.

8290 Pkt. 25c; ¼ oz. 60c; ¼ oz. \$1.00.

FLOWER SEEDS

A garden full of flowers with plenty to spare for cutting adds greatly to the enjoyment of the family's home life.

On these pages are offered the best for that purpose. They have been carefully selected for their inspiring beauty.

African Golden Daisy

Dimorphotheca (hhA)

3998 Aurantiaca Hybrids. 1 ft. Large daisy-like flowers in glistening shades of primrose, apricot, buff, salmon, and others. Blooms from July to September. Pkt. 15c; 1/8 oz. 60c; 1/4 oz. \$1.10.

Amaranthus (hhA)

Summer Poinsettia

1208 Molten Fire. 3-4 ft. A truly sensational plant of stately habit and grandiose appearance. One of our most colorful foliage plants presenting from July to frost as rich a picture as the well-known Poinsettia of the Christmas season. The top leaves are scintillating fiery crimson contrasting beautifully with those below which are rich maroon. Pkt. 20c; 1/8 oz. 75c; 1/4 oz. \$1.40.



Antirrhinum or Snapdragons

Explanation of Symbols

See inside back cover for detailed explanation.

h — hardy

hh — half-hardy

t — tender

A — Annual P — Perennial

B — Biennial C — Climber

Sweet Alyssum (hA)

A most delightful and attractive edging plant that blooms continuously and in the greatest profusion from June till severe frost sets in. There is nothing finer for narrow borders or to provide a showy ever-blooming edge to all kinds of beds. Sow early where to bloom.

1165 Little Gem. 4 in. Neat, compact cushions covered with dainty, fragrant, pure white blooms. Pkt. 10c; 1/8 oz. 45c; 1/4 oz. 85c.

1170 Violet Queen. 9 in. The compact plants are covered with deep violet flowers. Pkt. 15c; 1/8 oz. 50c; 1/4 oz. 95c.

Hardy Alyssum (hP)

Basket of Gold

1198 Saxatile compactum. 1 ft. Silvery foliage and completely covered with golden yellow blooms from April to May. Pkt. 15c; 1/8 oz. 50c; 1/4 oz. 95c.



Ageratum, Midget Blue

Ageratum—Floss Flower (tA)

We have selected these as the best of this popular edging plant that blooms continuously from June to frost and adds to the garden much-needed blue for a good color effect. Excellent for beds and indispensable for edging.

1074 Midget Blue. 3 in. This is an All America Winner of special merit forming neat, little, dome-shaped plants simply covered with fluffy flowers of true Ageratum blue color. Especially effective in combination with white Sweet Alyssum or in front of white Petunias. Pkt. 25c; 1/8 oz. \$1.00.

1076 Blue Perfection. 9 in. The deepest blue Ageratum and as useful as Midget Blue for beds and borders. Pkt. 10c; 1/8 oz. 40c; 1/4 oz. 75c.

Antirrhinum — Snapdragon (hA)

Few flowers can compare with them for their many gorgeous colors and general usefulness. For early blooms start seed indoors in March and transplant to rich soil outdoors in May. They do best in full sun and should not stand crowded.

Rust-Resistant Maximum Giant-Flowered Snapdragon

Massive plants, 3 ft. tall, with flower spikes 30 in. long and set with huge, well-shaped blooms that form solid, most impressive spikes.

1266 Alaska. Snow white.
1269 Campfire. Luminous scarlet.
1271 Canary Bird. Canary yellow.
1274 Copper King. Bronzy copper.
1277 Crimson. Fiery crimson.
1280 Loveliness. Soft rose-pink.
1283 Yellow Giant. Deep yellow.

Any of the above: Pkt. 15c; 1/16 oz. 50c; 1/8 oz. 95c.

1296 Maximum Mixed. Pkt. 10c; 1/8 oz. 65c; 1/4 oz. \$1.25.

9100

Snapdragon Collection

One pkt. each of the seven colorful Maximum Snapdragons shown to the left. Value \$1.05

for only 85c

Glorious Annual ASTERS

Flowers of inspiring beauty and consequently one of the most popular of all annuals. Magnificent in the garden and equally as gorgeous cutflowers. For a continuous display start indoors in March seed of early, midseason, and late varieties or sow right outdoors after danger of frost is past. (hhA)

Wilt-Resistant Giant Crego Asters

Big, fluffy, fully double blooms during September carried on bushy plants 2 ft. tall. Especially popular because of the size of the flowers and their graceful formation.

- 1815 Crimson
- 1818 Lavender
- 1821 Purple
- 1823 Rose
- 1826 Shell Pink
- 1829 White

Any of the above:

Pkt. 15c; 1/8 oz. 50c; 1/4 oz. 95c.



Giant Crego Aster

9123 Giant Crego Aster Collection

One pkt. each of the six magnificent colors named above. Enjoy them all, a value of 90c, at the special price of.

75c

1843 Giant Crego Mixed. We have taken special care in blending this superior mixture of all colors. Pkt. 10c; 1/8 oz. 40c; 1/4 oz. 75c.



Giant Branching Aster

Wilt-Resistant

Queen of the Market Mixed

The earliest to come into bloom, often in late July. Grows 1 1/2 to 2 ft. tall. Large, very double blooms carried on strong stems. Many fine colors. 1687 Pkt. 10c; 1/8 oz. 40c; 1/4 oz. 75c.

Wilt-Resistant

Giant Beauty Asters Mixed

Grows 3 ft. tall and bears during September and early October masses of fully double flowers with the outer petals curving outward and the inner ones toward the center. Contains all colors. 2109 Pkt. 15c; 1/8 oz. 50c; 1/4 oz. 95c.

Wilt-Resistant Giant Branching Asters

Real giants, 3 ft. tall, simply loaded with shapely, double flowers with curved petals. There's nothing finer to provide brilliant color to the September-October garden and for cutflowers they rank supreme.

- | | |
|--------------------|-------------------|
| 1454 White | 1476 Rose |
| 1465 Crimson | 1487 Shell Pink |
| 1466 Rich Lavender | 1498 Royal Purple |

Any of the above: Pkt. 15c; 1/8 oz. 50c; 1/4 oz. 95c.

9147 Giant Branching Aster Collection.

One pkt. each of the six colors named above to bring all these lovely shades into the autumn garden for a grand mass effect. Value 90c.

75c

1521 Giant Branching Mixed. Gives those with a small garden a chance to enjoy the full color range. Pkt. 10c; 1/8 oz. 40c; 1/4 oz. 75c.



Orange King
Calendula

Calendula (hA)

Scotch or Pot Marigold

Vigorous plants with large, colorful blooms that are double to the very center and of elegant form. They are of easy culture and may be sown early in spring where to bloom. Thin or transplant 12 in. apart to encourage a vigorous growth and lots of flowers. Fine in beds and borders, and a very fine cutflower. Height 1 to 2 ft.

2502 Ball's Gold Improved. Extra large flowers of deep gold. Pkt. 15c; ¼ oz. 50c; ½ oz. 95c.

2518 Orange King, Reselected. Florist Strain. Rich deep orange-red with darker center. Large and double. Pkt. 15c; ¼ oz. 45c; ½ oz. 85c.

2564 Mixed. Pkt. 10c; ¼ oz. 35c; ½ oz. 65c.

Blue Laceflower—Didiscus (tA)

3956 Coeruleus. 1½ ft. This highly attractive annual from Australia does as well outdoors as in the greenhouse. The lacy, large umbels of clear heavenly blue are excitingly different and last well as cutflowers. Sow where to bloom. Pkt. 15c; ¼ oz. 35c; ½ oz. 60c.

Bellis—English Daisy (hB)

Bushy little plants, 6 in. high bearing during the spring large double flowers supported on stiff but graceful stems. Best sown from June to Sept. and transplanted in the fall.

2432 Giant Pure White

2443 Giant Deep Rose

Either one:

Pkt. 25c; ¼ oz. \$1.00; ½ oz. \$1.75.

2454 Giant Double Mixed

Pkt. 15c; ¼ oz. 85c; ½ oz. \$1.60.



Annual White Baby's Breath

Annual Baby's Breath (hA)

Gypsophila

Large, airy heads of half-inch flowers much in demand for bouquets to which they add special grace and lightness. Sow repeatedly for a continuous supply starting as soon as frost is out of the ground.

4265 Elegans alba grandiflora.

Much superior to older strains with extra-large pure white blooms in graceful panicles 1½ to 2 ft. in height. Pkt. 10c; ¼ oz. 40c; ½ oz. 75c.

4266 Elegans rosea grandiflora.

Large, rose-colored blooms. Pkt. 10c; ¼ oz. 50c; ½ oz. 95c.

Hardy Baby's Breath (hP)

4276 Paniculata. 2½ ft. Tiny white flowers on slender stems give a mist-like effect during June and July. Pkt. 15c; ¼ oz. 35c; ½ oz. 65c.

4287 Paniculata Double. Delightful small double blooms. Pkt. 25c; 1/16 oz. 75c; ¼ oz. \$1.40.



Double Balsam

Balsam—Lady Slipper (tA)

2298 Double Camellia-Flowered.

1½ ft. A wonderful mixture of the many fine colors represented in this popular annual. Blooms from July until frost. Likes rich soil, hot sun, and plenty of water. Pkt. 10c; ¼ oz. 40c; ½ oz. 75c.

Everblooming Bedding Begonia (tA)

2398 Mixed. 1 ft. Superb for beds, borders, porch boxes, and a favorite potplant for summer and winter blooming. Plants are covered with wax-like blooms in white, pink, rose, and red. Blooms outdoors from July to frost. Does well in sun or partial shade. Pkt. 25c.



California Poppy

California Poppy (hA)

Eschscholtzia

4067 Single Mixed. 1 ft. One of the most delightful for beds and borders, and easy to grow in any sunny garden spot. Contains many bright colors — lemon yellow, gold, orange — all with a unique glittering finish. Sow early where to bloom to flower profusely from July to September. Transplanting invariably is fatal to them. Pkt. 10c; ¼ oz. 40c; ½ oz. 75c.

Campanula — Bellflower, Canterbury Bells (hB)

There isn't a garden that could not be made more interesting and attractive by a good display of these impressive June-blooming biennials. Sow any time up to the middle of July to bloom the following year. They like a rich, light soil with perfect drainage.

Cup-and-Saucer Canterbury Bells

Campanula calycanthema

2710 Mixed. 2½ ft. A very attractive type with large bells that rest on a proportionally large saucer of identical color. Well grown the plants are just a mass of flowers with no foliage interfering with their display. In addition to pure white there are several fine pink and some excellent blue shades that range from light blue to deep, as well as rich purple. Pkt. 10c; ¼ oz. 40c; ½ oz. 75c.

Single Canterbury Bells Campanula medium

2765 Mixed. 2½ ft. Many consider this the most artistic. It is a good counterpart of the Cup and Saucer type but without the saucer so that the blooms are just big, broad bells carried in a massive display that has few counterparts in the June garden. Each plant is a huge bouquet in itself that will last for many days in water. Our mixture contains all colors in the right proportion to provide a display that will be a much admired garden feature. Pkt. 10c; ¼ oz. 40c; ½ oz. 75c.



Single Canterbury Bells

Perennial Campanula (hP)

2643 Carpatica Blue. 8 in. Carries during June and July many showy clear blue bells.
2654 Carpatica White. Has equally showy, fine white flowers.
Either of the above: Pkt. 15c; 1/16 oz. 50c; ¼ oz. 95c.

Annual Candytuft—Iberis (hA)

A showy, free-blooming annual for the foreground of borders where the large flower trusses are in full view. Make succession sowings for a continuous display from June to September. Always sow where to bloom.

2869 Giant Hyacinth-Flowered. 18 in. Massive, pure white flower trusses make this a very conspicuous and attractive border plant. Pkt. 15c; ¼ oz. 50c; ½ oz. 95c.

2865 Umbellata Mixed. Colorful. Pkt. 10c; ¼ oz. 40c; ½ oz. 75c.



Annual Candytuft

Calliopsis—Tickseed (hA)

2621 Dwarf Mixed. 1 ft. Pretty, dwarf, bushy plants densely covered with brilliant multi-colored flowers from June to Sept. Pkt. 10c; ¼ oz. 50c; ½ oz. 95c.



Cardinal Climber

Cardinal Climber (tAC)

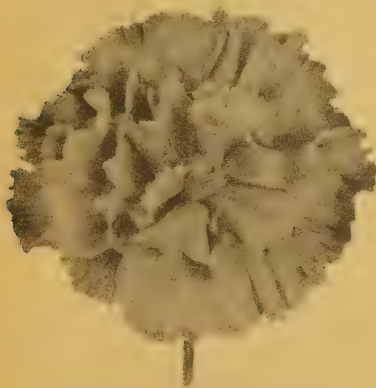
Ipomoea sloteri

3687 Climbs to 30 ft. Covered with brilliant red flowers from July to frost. Very attractive and profuse in full sun. Pkt. 10c; ¼ oz. 60c; ½ oz. \$1.10.

Castor Bean—Ricinus (tA)

6510 Mixed. Giant foliage plants of tropical splendor with brilliantly colored seed-pods in autumn. From 5 to 15 feet tall and proportionally broad. Splendid for background. Pkt. 10c; oz. 35c; ¼ lb. \$1.00.

Improved Giant Double Carnations (hA or hB)



Chabaud Double Carnation

These are the Famous Chabaud Carnations grown extensively by florists but just as successful as garden plants. They are robust, each forming from ten to twenty strong stems with a huge double flower on each stem. The colors are exceptionally rich and all have an enticing clove-like fragrance. Sow indoors in February or March and set outdoors after danger of frost is past. They soon will grow a foot tall and bloom from July until frost arrives. They must have sun, good drainage, and a soil that is not too rich. Can also be sown in the cold-frame in August.

2897 Blood Red **2920 Scarlet**
2908 Yellow **2931 Flesh Pink**
2909 Rose **2933 White**

Any variety:

Pkt. 15c; 1/16 oz. 60c; ¼ oz. \$1.10.

2944 Chabaud Mixed. Colorful. Pkt. 10c; 1/16 oz. 50c; ¼ oz. 95c.

9156

Carnation Collection

One pkt. each of the six separate colors named. All 6 pkts., value 90c for only **75c**

Double Cornflower or Bachelor's Button (hA)

Centaurea cyanus



Double Cornflower

America's most favorite buttonhole flower and equally as desirable for garden display and for cutting. Much of its popularity is based on the ease with which it is grown. Give it full sun and a well-drained soil and it never will disappoint. Sow as early in the spring as soil conditions permit, and repeat in midsummer and fall. The varieties we offer are far more double than older sorts. 2-3 ft. tall.

- 3070 Black Boy. Deep maroon.
3072 Blue Boy. Cornflower blue.
3074 Pinkie. Deep pink.
3076 Red Boy. Deep red.
3078 Snow Man. Pure white.

Any of the above:
Pkt. 15c; $\frac{1}{4}$ oz. 40c; $\frac{1}{2}$ oz. 75c.

- 3109 Double Mixed. A special blend of all colors in the proper proportion. Pkt. 10c; $\frac{1}{4}$ oz. 30c; $\frac{1}{2}$ oz. 55c.

9173

Cornflower
Collection

One pkt. each
of the five de-
lightful colors
listed. Value
75c for **60c**



Feathered Cockscomb

Celosia (hhA)
Cristata — Cockscomb

- 3009 Dwarf Mixed. 1-1½ ft.
The favorite kind with very large and broad flowerheads that look like a mass of ruffled chenille. Ornamental in the garden and ideal for cutting. Blooms from July to frost. Many bright colors. Pkt. 10c; $\frac{1}{8}$ oz. 50c; $\frac{1}{4}$ oz. 95c.

Plumosa
Feathered Cockscomb

- 3044 Mixed. 3 ft. Handsome, tall, feathery plumes unlike any other flower creating an impressive effect in the garden and just wonderful for cutting and dried winter arrangements. Brilliant shades of yellow, red, and wine purple. Pkt. 10c; $\frac{1}{8}$ oz. 50c; $\frac{1}{4}$ oz. 95c.

Chinese Forget-Me-Not

Cynoglossum (hA)

- 3650 Amabile Blue. 1½ ft.
This has all the charming characteristics as the regular kind but the color of the pretty blooms is an even more intense clear blue. They are fragrant and a delight from June until frost. Sow outdoors as early in the spring as soil conditions permit and thin to stand 6 in. apart in the row. Pkt. 15c; $\frac{1}{8}$ oz. 30c; $\frac{1}{4}$ oz. 55c.



Chinese Lantern Plant

Chinese Lantern Plant

Physalis (hP)

- 3238 Franchetti. 2 ft. Sown in early spring there will be some of the attractive lantern-like seed pods in the fall. The scarlet pods are superb for dry winter bouquets and retain their color for a long time. Pkt. 15c; $\frac{1}{8}$ oz. 40c; $\frac{1}{4}$ oz. 75c.

What the Symbols Mean

See inside back cover
for detailed explanation.

h - hardy

hh - half-hardy

t - tender

A - Annual P - Perennial

B - Biennial C - Climber



Annual Chrysanthemum

Annual Chrysanthemum (tA)

Painted Daisies

Colorful summer-blooming plants about 1½ ft. tall and blooming freely from June to September. Easy to grow from seed sown early in the spring. Pinch back when a few inches high to induce branching. They are distinct from the hardy autumn-flowering kinds.

- 3203 Single Mixed. Colorful blooms at least 3 in. across. Pkt. 15c; $\frac{1}{8}$ oz. 40c; $\frac{1}{4}$ oz. 75c.

- 3204 Double Mixed. Very double. Pkt. 15c; $\frac{1}{8}$ oz. 40c; $\frac{1}{4}$ oz. 75c.

Giant COSMOS (h A)

Lavish and Picturesque
from Mid-Summer to Frost

No garden is complete without this tall and glamorous annual with its masses of cheerful blooms 3 to 4 in. across. They are easy to grow from seed sown in early spring and thinned to stand a foot apart. Cutting them freely for indoors increases their numbers, and the long stems lend special grace to arrangements. 4 to 6 ft. tall.

Extra-Early Sensation

Grows 4 feet tall, starts blooming in July, and keeps up the show until severe freezing occurs. The available colors are especially fine.

3510 Dazzler. Deep rich crimson.

3521 Pinkie. A delightful pink.

3532 Purity. Exquisite snow white.

3544 Radiance. Rose, crimson center.

Any of the above:

Pkt. 15c; $\frac{1}{8}$ oz. 55c; $\frac{1}{4}$ oz. \$1.00.

9189 Cosmos Collection

One packet each of the above four varieties. Value 60c. for 50c.

3554 Sensation Mixed. A blend of all colors.
Pkt. 10c; $\frac{1}{8}$ oz. 40c; $\frac{1}{4}$ oz. 75c.



Extra Early
Giant Sensation Cosmos



Long-Spurred Columbine

Columbine (hP) Aquilegia

1422 Long-Spurred Mixed. 2-3 ft. Exquisite in every way and indispensable in every hardy border because of the show it makes throughout May, June, and July. The plants are sturdy, well-branched, and carry loads of refined, long-spurred flowers in dainty and exciting colors such as combinations of cream and rose, white and blue, yellow and crimson, as well as pure yellow and others. An excellent cut-flower. Pkt. 25c; $\frac{1}{16}$ oz. \$1.00; $\frac{1}{8}$ oz. \$1.75.



Coleus — Flame Nettle

Coleus—Flame Nettle (tP)

3387 Mixed. 1½ ft. There is no finer or more sensational foliage plant than Coleus. Superb in garden beds, pots, window or porch boxes, urns where season-long color is so important. Easy to grow from seed started indoors in March or April. The range of color combinations is truly exciting with shades of green, white, pink, red, maroon, and others forming interesting and highly artistic patterns on the large, well-expanded leaves. Pkt. 25c; $\frac{1}{32}$ oz. \$1.00; $\frac{1}{16}$ oz. \$1.75.



Coreopsis

Coreopsis—Tickseed (hP)

3410 Lanceolata grandiflora. 2 ft. Extra large, glossy golden yellow blooms on long, wiry stems from June to October. Blooms first year from seed if sown early. Pkt. 10c; $\frac{1}{8}$ oz. 30c; $\frac{1}{4}$ oz. 55c.

3412 Double Sunburst. Double golden yellow flowers. Pkt. 15c; $\frac{1}{8}$ oz. 50c; $\frac{1}{4}$ oz. 95c.

Cypress Vine (tC)

Ipomoea Quamoclit

3676 Mixed. 15 ft. Masses of star-shaped white and scarlet flowers on a background of feathery, light green foliage. Pkt. 10c; $\frac{1}{4}$ oz. 45c; $\frac{1}{2}$ oz. 85c.

DAHLIAS from Seed (†P)

For an Exciting Venture

Growing Dahlias from seed is as fascinating as it is interesting and the two hybrid varieties we offer are especially well suited to the average home garden. Their limited height, handy size of the blooms, and bushy habit make them fit where the tall giant-flowered kinds are altogether out of place. Start the seed indoors in March in sandy soil and set the plants in the garden after the nights have turned balmy. You will be surprised to see them blooming freely from July until frost.

3712 Unwin's Hybrids. Dwarf. 2 ft. Radiant semi-double flowers in many fine colors 3 months after sowing. For garden display and cutting. Pkt. 25c; 1/16 oz. 75c; 1/8 oz. \$1.40.

3715 Coltness Dwarf Hybrids. 2 ft. Well-branched, compact plants bearing large, artistic, single blooms. Pkt. 25c; 1/16 oz. 75c; 1/8 oz. \$1.40.



Unwin's Hybrid Dahlia

DELPHINIUM — *Hardy Larkspur* (hP)

Inspiring! Colorful! Majestic!

Aristocrats of the hardy border that keep one in a trance with their spires as much as 7 ft. tall and representing all the beauty of fairyland. Start seed indoors early and set out in May to have them bloom the same year. Year-old plants flower in June and July.

3738 Giant Pacific Hybrids Mixed

Acclaimed as the very best with almost 100% double blooms in a bewitching color range with many flowers having "bees" of white, cream, brown, or black that add life to their beauty. Huge florets 2 to 3 in. across. Pkt. 50c; 1/16 oz. \$1.50; 1/8 oz. \$2.75.

3740 Wrexham or Hollyhock-Flowered

An equally vigorous strain with fully as large single florets and reaching a height of 5 ft. The wide range of colors includes everything from pale lavender to indigo blue besides white, pink, and bicolored ones. Pkt. 35c; 1/16 oz. \$1.00; 1/8 oz. \$1.75.

3776 Gold Medal Hybrids. Sturdy, well-branched plants 4 to 5 ft. tall covered with splendid single and semi-double blooms running through the full color range. Pkt. 15c; 1/16 oz. 50c; 1/8 oz. 95c.

Dianthus — Annual Pinks (hA or hB)

Gaily colored blooms from June to November on plants about a foot tall and borne in such great profusion that little of the foliage is visible.

3865 Heddewegi Single Mixed. Large-petaled single flowers in an amazing array of bright colors and color combinations.

3809 Heddewegi Double Mixed. As colorful as the preceding but bearing great quantities of elegant double blooms.

3876 Laciniatus Single Mixed. Fascinating with the broad petals sliced into a long, pin-pointed fringe. Very unusual and always greatly admired.

3821 Laciniatus Double Mixed. And here we have the same fringed effect in a large double flower. Very colorful.

Any of the above Annual Pinks:
Pkt. 10c; 1/8 oz. 35c; 1/4 oz. 60c.



Giant Pacific Hybrid Delphinium

Hardy Garden Pinks (hP)

Dianthus plumarius

Richly clove-scented flowers during May and June on foot high plants. Fine in beds and rock garden.

3932 Single Pheasant's Eye. Masses of colorful fringed blooms. Pkt. 15c; 1/8 oz. 45c; 1/4 oz. 85c.

3954 Double Scotch Pink. Many fine colors. Pkt. 15c; 1/8 oz. 50c; 1/4 oz. 95c.



Dianthus laciniatus

➡ Order Flower Seeds by Number.

Forget-Me-Not (hB)
Myosotis

5188 Alpestris, Royal Blue.

Dainty, sweet-scented little flowers that completely cover the plants from April to June. They are 8 in. tall and the rich indigo blue color of this charming variety is by far the most admired. Sow any time from spring to mid-summer. Pkt. 15c; $\frac{1}{8}$ oz. 65c; $\frac{1}{4}$ oz. \$1.25.

Four O'Clock (hA)

Marvel of Peru—Mirabilis

4954 Jalapa Mixed. 2½ ft. Vigorous and free blooming with richly scented flowers in many bright colors including striped. The flowers open in mid-afternoon and remain that way all night long. Blooms from June to frost. Pkt. 10c; $\frac{1}{2}$ oz. 30c; oz. 50c.



Gaillardia Lorenziana Double

Gaillardia

Blanket Flower

Annual Varieties (hA)

Sturdy plants, 1 to 1½ ft. tall, blooming with the greatest profusion right through the heat of summer and until frost comes along.

4087 Picta Single Mixed. Shades of red and yellow. Pkt. 10c; $\frac{1}{8}$ oz. 35c; $\frac{1}{4}$ oz. 65c.

4098 Lorenziana Double. One of mid-summer's gayest annuals but lasting till frost. Very double and in gay fiesta colors of red and yellow. Pkt. 10c; $\frac{1}{8}$ oz. 35c; $\frac{1}{4}$ oz. 65c.

Perennial Gaillardia (hP)

4110 Grandiflora Mixed. Shades of yellow and red, often in combination make the large blooms a welcome sight all summer and fall. Strong and 2 ft. tall. Pkt. 15c; $\frac{1}{8}$ oz. 40c; $\frac{1}{4}$ oz. 75c.



Foxglove Shirley

Foxglove—Digitalis (hB)

3969 Giant Shirley. The most glorious of all Foxglove with sturdy flower spires 3 to 4 ft. tall, closely set with large, pendent bells in a wide range of delightful colors. Blooms during June and July. Sow in June. Pkt. 15c; $\frac{1}{8}$ oz. 60c; $\frac{1}{4}$ oz. \$1.10.

Honesty—Lunaria biennis (hA or hB)

Moonwort — Satinflower

4610 Biennis. Showy purple flowers in June followed in the fall by large, flat, white seed membranes with silky lustre. Grows 3 ft. tall and blooms first year if sown early. Pkt. 15c; $\frac{1}{8}$ oz. 35c; $\frac{1}{4}$ oz. 65c.



Honesty — Lunaria



Ornamental Gourds

Ornamental Gourds (tAC)

Quaint and Artistic

4254 Large and Small Mixed.

Grow quickly to as much as 20 ft. high with the white or yellow flowers succeeded by highly ornamental fruits of various colors and color combinations. Contains large and small-fruited kinds. Pkt. 10c; $\frac{1}{2}$ oz. 55c; oz. \$1.00.

Iberis—Hardy Candytuft (hP)

Compact cushions of evergreen foliage a foot high. Covered during the spring with so many flowers as to hide the leaves.

4643 Sempervirens. Snow white flowers like a mound of snow. For beds, borders, and rockery. Pkt. 15c; $\frac{1}{8}$ oz. 75c; $\frac{1}{4}$ oz. \$1.40.

4644 Gibraltarica hybrida. A trifle taller and covered with delicate lilac flowers. Pkt. 15c; $\frac{1}{8}$ oz. 60c; $\frac{1}{4}$ oz. \$1.10.

Hollyhock (hB or hP)

Althaea rosea

No other flower can take the place of Hollyhocks where a tall plant of narrow growth is needed. Makes a wonderful dividing line between garden features or wherever the available space is only 2 or 3 feet wide. Also superb in the background of the perennial border. Sow any time from early spring until July. Transplant the following spring and they will present a gorgeous spectacle in July and August.

4598 Double Mixed. An exceptionally colorful mixture with the large, double blooms set closely on spikes 5 to 7 feet in height. Pkt. 10c; $\frac{1}{8}$ oz. 50c; $\frac{1}{4}$ oz. 95c.

4604 Single Mixed. These grow even taller than the double type. Contains a delightful color range with the blooms closely set on the spires. Pkt. 10c; $\frac{1}{8}$ oz. 30c; $\frac{1}{4}$ oz. 65c.



Double Hollyhock

Annual LARKSPUR — For Captivating Beauty (hA)



Giant Imperial Double Larkspur

Massed in beds or borders annual Larkspur presents a picture of loveliness from June until hot, dry summer weather sets in. In cool sections it keeps right on blooming until frost. Its brilliant and clear colors have ethereal charm. Sow as early in the spring as soil permits where they are to bloom as transplanting is fatal. Outdoor September sowing also is successful.

Giant Imperial Double

The Most Glorious of all Annual Larkspur

Vigorous plants of bushy habit with many flower spikes arising from the base of the plants and growing 3 to 4 ft. tall. Has graceful tall spikes closely set with fully double flowers. Picturesque in garden and vases.

- 4796 Blue Spire. Exceptionally fine deep blue.
- 4798 Carmine King. A mellow color with great appeal.
- 4799 Exquisite Pink. Luminous soft pink.
- 4801 Lilac Spire. A soft tone of pastel quality.
- 4803 Miss California. Inspiring clear deep rose.
- 4804 The Empress. Radiant salmon-rose. Extra fine.
- 4806 White Spire. Nobody can get along without this.

Any of the above:

Pkt. 15c; $\frac{1}{8}$ oz. 40c; $\frac{1}{4}$ oz. 75c.

- 4810 Giant Imperial Double Mixed. Exceptionally rich and colorful. Pkt. 10c; $\frac{1}{8}$ oz. 35c; $\frac{1}{4}$ oz. 65c.

Lobelia (hhA)

- 4832 Crystal Palace Compacta.

Trim little plants, 4 in. tall, and at least as broad, covered from June to frost with darling deep blue flowers. Excellent for edging. Start indoors in March; set out when weather is warm. Pkt. 15c; $\frac{1}{8}$ oz. 60c; $\frac{1}{4}$ oz. \$1.10.

Mignonette—Reseda (tA)

- 5132 Mixed Sweet-Scented. A cool-weather annual with a fragrance that is rich without being overpowering. A vase of the unusual blooms will permeate even a large room with the most delightful fragrance. Also a splendid winter-blooming potplant. Pkt. 10c; $\frac{1}{4}$ oz. 30c; $\frac{1}{2}$ oz. 55c.

9203

Giant
Imperial
Double
Larkspur
Collection

One packet each of the seven showy varieties described above. Value \$1.05, for

85c



Lathyrus — Hardy Sweet Pea

Lathyrus (hP)

Hardy Sweet Pea

- 4921 Mixed. Although without fragrance the loveliness of the flowers deserves its careful consideration. Climbs to 10 ft. and blooms from June to August. Splendid also for covering stumps, stones, and rough ground. A wonderful cutflower also. Pkt. 15c; $\frac{1}{4}$ oz. 60c; $\frac{1}{2}$ oz. \$1.10.



Russell Lupine

Annual Lupine—Lupinus (hA)

- 4887 Annual Sorts, Mixed. 2-3 ft. Showy plants with colorful pealike flowers in dense spikes. Blooms during June and July. Best in part shade and neutral soil. Pkt. 15c; $\frac{1}{4}$ oz. 40c; $\frac{1}{2}$ oz. 75c.

Hardy Lupine—Lupinus (hP)

- 4895 Russell Hybrids. The most beautiful of all hardy lupines. The plants are exceptionally vigorous, forming well-branched specimens with many strong flower spikes. They are closely set with pea-like blooms in an exquisite range of colors, such as blue, pink, red, yellow, purple, and most unusual bi-color combinations of these gay colors. Also an excellent cutflower. Pkt. 25c; $\frac{1}{4}$ oz. \$1.00; $\frac{1}{2}$ oz. \$1.75.

MARIGOLDS (hA)

To floodlight the Summer and Fall Garden with Brilliant Yellow, Gold and Orange.

Never will they disappoint you even during hot and dry summer weather. Yet they respond so magnificently to a little extra care. Sow after danger of frost where to bloom or transplant.

Old-Fashioned African Double

Extra large, extra double, quilled flowers on sturdy plants 3 ft. tall.

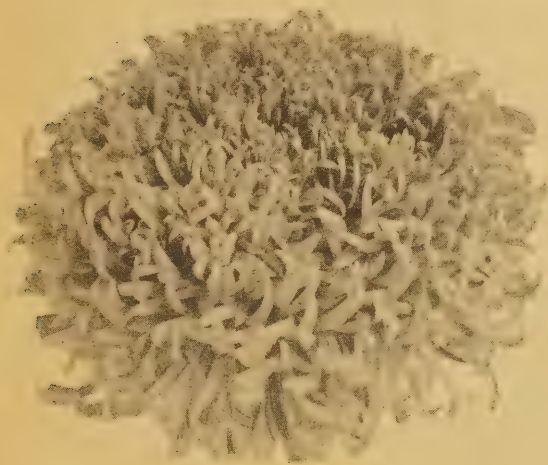
4962 Orange Alldouble. Bronzy orange.

4963 Lemon Alldouble. Luminous yellow.

Either Variety:

Pkt. 15c; $\frac{1}{8}$ oz. 60c; $\frac{1}{4}$ oz. \$1.10.

5009 African Double Mixed. A complete mixture of brilliant colors. Pkt. 10c; $\frac{1}{8}$ oz. 40c; $\frac{1}{4}$ oz. 75c.



Marigold Glitters

Chrysanthemum-Flowered

As beautiful as incurved Chrysanthemums.

4974 Goldilocks. 3 ft. Fluffy round flowers of bright golden yellow, 3 in. across. Pkt. 25c; $\frac{1}{8}$ oz. \$1.00; $\frac{1}{4}$ oz. \$1.75.

4976 Glitters. 3 ft. Large balls of vivid canary yellow measuring 3 in. across. Pkt. 25c; $\frac{1}{8}$ oz. \$1.00; $\frac{1}{4}$ oz. \$1.75.

4979 Mixed. 2 to 3 ft. Many splendid colors. Pkt. 15c; $\frac{1}{8}$ oz. 60c; $\frac{1}{4}$ oz. \$1.10.

Carnation-Flowered

Flowers of beautiful Carnation-like form.

4944 Burpee's Primrose. 3 ft. An exquisite primrose shade. Flower diameter 3 inches. Pkt. 25c; $\frac{1}{8}$ oz. \$1.00; $\frac{1}{4}$ oz. \$1.75.

4960 Guinea Gold. Piercing golden orange. Pkt. 10c; $\frac{1}{8}$ oz. 40c; $\frac{1}{4}$ oz. 75c.

4953 Yellow Supreme. 3 ft. Vivid light canary yellow and very beautiful. Pkt. 10c; $\frac{1}{8}$ oz. 40c; $\frac{1}{4}$ oz. 75c.

5024 Red and Gold Hybrids

Bushy plants, 18 in. tall, covered with $2\frac{1}{2}$ inch flowers in various artistic combinations of red and gold that vary according to weather and are prettiest in the fall. Pkt. 25c; $\frac{1}{8}$ oz. \$3.00; $\frac{1}{4}$ oz. \$5.50.



Gigantea Sunset Giants

Huge 5-inch flowers on plants 4 ft. tall. So very double yet graceful and charming with the petals well but informally placed. For garden, in vases, exhibition. Orange-yellow and primrose shades.

4957 Pkt. 10c; $\frac{1}{8}$ oz. 45c; $\frac{1}{4}$ oz. 85c.

4956 Orange Sunset. Of the same colossal size and as tall but with blooms of startling deep orange. Pkt. 15c; $\frac{1}{8}$ oz. 60c; $\frac{1}{4}$ oz. \$1.10.

French Marigolds

Compact plants for beds, borders, and cutting. Very useful.

Dwarf Double

5022 Harmony. 1 ft. Orange crest with a maroon collar. Pkt. 10c; $\frac{1}{8}$ oz. 40c; $\frac{1}{4}$ oz. 75c.

5026 Rusty Red. $1\frac{1}{2}$ ft. Rare rusty red blooms 2 in. across. Pkt. 25c; $\frac{1}{8}$ oz. \$1.25; $\frac{1}{4}$ oz. \$2.25.

5033 Sunkist. 8 in. Deep orange. $1\frac{1}{2}$ in. Pkt. 15c; $\frac{1}{8}$ oz. 60c; $\frac{1}{4}$ oz. \$1.10.

5034 Tangerine. 15 in. Tangerine orange. 2 in. across. Pkt. 25c; $\frac{1}{8}$ oz. \$1.25; $\frac{1}{4}$ oz. \$2.25.

4980 Yellow Pigmy. 8 in. Lemon yellow. Pkt. 15c; $\frac{1}{8}$ oz. 60c; $\frac{1}{4}$ oz. \$1.10.

5043 Double Mixed. Pkt. 10c; $\frac{1}{8}$ oz. 40c; $\frac{1}{4}$ oz. 75c.



Harmony

Artistic Singles

5046 Flash. 18 in. Orange marked with Marigold red. Pkt. 15c; $\frac{1}{8}$ oz. 50c; $\frac{1}{4}$ oz. 95c.

5047 Naughty Marietta. 2 ft. Gold with maroon center. Pkt. 15c; $\frac{1}{8}$ oz. 60c; $\frac{1}{4}$ oz. \$1.10.

5049 Redhead. 12 in. Mahogany turning auburn and gold. Pkt. 25c; $\frac{1}{8}$ oz. 75c; $\frac{1}{4}$ oz. \$1.40.

5050 Sunny. 15 in. Wavy-edged yellow. Pkt. 25c; $\frac{1}{8}$ oz. 75c; $\frac{1}{4}$ oz. \$1.40.



Naughty Marietta

NASTURTITIUM

(hh A)



Nasturtium, Golden Gleam

Whether you prefer the old-fashioned single kinds or the newer sweet-scented double varieties you can depend upon Nasturtiums to provide a superb display in which the rich green foliage plays an important part. They are so easy to grow and bloom so willingly from mid-summer until hard frost. Best in moderately rich soil only and water as needed.

Charming Double Sweet-Scented

Bushy plants developing short runners and about 15 in. tall. Very liberal with its sprightly blooms.

5551 Golden Gleam. Brilliant warm golden yellow.

5553 Scarlet Gleam. Dazzling fiery scarlet flowers.

5560 Glorious Gleam Hybrids. Many vivid colors—yellow, gold, orange, cerise, and many more.

Any of the above: Pkt. 10c; oz. 45c; ¼ lb. \$1.25.

5564 Dwarf Double Nasturtium Mixed

Compact plants a foot tall with fine double blooms. Sweet-scented. Pkt. 10c; oz. 50c; ¼ lb. \$1.50.

Dwarf Single

5387 Mixed. 1 ft. Very popular for beds and borders. Pkt. 10c; oz. 35c; ¼ lb. \$1.00.

Tall Single

5510 Mixed. 6 to 10 ft. Very colorful trained to support. Pkt. 10c; oz. 35c; ¼ lb. \$1.00.

Morning Glories (tAC)

Ipomoea

Very large flowers on 20 ft. vines blooming profusely from July to frost.

4698 Heavenly Blue, Improved Early Flowering. Inspiring sky blue flowers, 4½ in. across in great masses. Pkt. 10c; ¼ oz. 35c; ½ oz. 65c.

4699 Scarlett O'Hara. Bright wine-red blooms starting 65 days after sowing. Strong vines with hundreds of flowers. Pkt. 15c; ¼ oz. 50c; ½ oz. 95c.

4700 Pearly Gates. Satiny white, shaded pearly cream in throat. A startling beauty by itself or in combinations. Pkt. 15c; ¼ oz. 50c; ½ oz. 95c.

Moonflower (tAC)

4676 Giant White (Grandiflora alba). 15 ft. Enormous silky white blooms cover strong vines and present a fairyland picture throughout the evening, night, and morning as well as on dull days. Pkt. 10c; ¼ oz. 30c; ½ oz. 55c.

Nicotiana (hhA)

Flowering Tobacco

Strong plants, 3 ft. tall, covered from June to frost with showy, tubular, fragrant blooms hanging drowsily until twilight approaches.

5543 Affinis. Showy pure white. Pkt. 15c; ¼ oz. 30c; ½ oz. 55c.

5554 Affinis Hybrids Mixed. Pkt. 15c; ¼ oz. 30c; ½ oz. 55c.

(hA or hB)

PANSIES

Everybody just raves about Pansies with their interesting faces and rich colors. Sow indoors in February or March, outdoors in April, and during September. Let them have a rich, light soil and full sun to do their best.

Super Swiss Giants

Sturdy plants and so lavish with their flowers in numbers, size, and texture. The noble blooms are well displayed on long stems above the rich green foliage.



Giant Prize Pansy

5598 Mixed Giant Prize Pansies

Our private blend of the world's most glorious Pansies. Selected for exhibition size, perfect form, heavy texture, and unsurpassed color range and richness. Pkt. 25c; 1/16 oz. \$1.25; ½ oz. \$2.25.

5599 Jumbo Mixed Giant Mastodon Pansies

The pride of an Oregon Pansy specialist selected for earliness, huge size, and complete color range. Includes many new and rare shades not found in any other strain. Really huge flowers on strong stems. Pkt. 50c; 1/16 oz. \$1.75; ½ oz. \$3.25.

5810 Giant Trimardeau Mixed. Large, blotched blooms. Pkt. 10c; 1/16 oz. 60c; ½ oz. \$1.10.

5600 Alpenglöw. By far the best of all red Pansies — rich cardinal red with a dark blotch on each of the three lower petals. You'll love it.

5601 Coronation Gold. Rich golden yellow, flushed with luminous golden orange on the three lower petals.

5602 Giant White. Mammoth flowers as white as snow and exquisite in every way.

5603 Ullswater. Rich deep ultramarine or Pansy blue with a large velvety blue-black spot on each of the three lower petals.

5605 Super Swiss Giants Mixed. A marvelous color array to please the most critical.

Any of the above: Pkt. 25c; 1/16 oz. \$1.00 ½ oz. \$1.75.

PETUNIAS (hhA)

Fragrant, luxuriant and gay they maintain garden beauty from June to frost.

Taking everything into consideration Petunias are perhaps the most important of all garden flowers. They are easy to grow and able to take care of themselves even under adverse growing conditions. Bedding sorts may be sown outdoors; Giant varieties must be started indoors; taking care in sowing the seed. Read cultural directions on packet.

5865 Giant Single Fringed

The largest of all Petunias with lofty flowers 4 to 5 in. in diameter. Ornately fringed and ruffled with lace-like veining in the throat. The wide range of extravagant colors makes them true masterpieces among garden annuals. Pkt. 25c; 1/64 oz. \$2.00; 1/32 oz. \$3.90.

5887 Giant Double Fringed Mixed

Fancyful double blooms — large and tastefully fringed accentuate their many fine colors. Produces a large percentage of doubles with the weakest seedlings developing the most perfect blooms. Pkt. 50c; 500 seeds \$1.50; 1/64 oz. \$9.00.

Giant Single Petunias

with Plain Edges

Bold, large flowers, deeply lobed, 4 in. across. Their compact habit is a special feature that insures a tidy appearance whether planted in beds, borders, or pots.

5890 Dwarf Elk's Purple. 10 in. Rich, deep purple of velvety texture. Pkt. 25c; 1/64 oz. \$1.50; 1/32 oz. \$2.90.

5891 White Cloud. 12 in. Bold white flowers of pristine purity. Pkt. 25c; 1/64 oz. \$1.50; 1/32 oz. \$2.90.

5892 Pink Glory. 12 in. Glorious, deep rose with white throat. Pkt. 25c; 1/64 oz. \$1.50; 1/32 oz. \$2.90.



Bedding Petunias



Giant Single Fringed Petunia

Balcony or Large-Flowered Bedding Petunias

May be sown where to bloom. A meritorious type for larger beds, window or balcony boxes, urns or wherever the trailing vines can contribute to the beauty of the planting. The flowers measure 2½ to 3 inches across.

5953 Black Prince. Maroon. 5956 Rose. Very cheerful.
5955 Blue. Violet blue. 5957 White. Snowy white.
5958 Crimson. Dark red.

Any of the above: Pkt. 15c; 1/16 oz. 75c; 1/8 oz. \$1.40.

5960 Mixed. Pkt. 15c; 1/16 oz. 60c; ¼ oz. \$1.10.

Dwarf Compact Bedding Petunias

Superb for beds and borders. Sow in spring where to bloom.

5900 Celestial Rose. Pkt. 15c; 1/16 oz. 60c; ¼ oz. \$1.10.

5909 Cheerful. Salmon. Pkt. 25c; 1/16 oz. \$1.00; ¼ oz. \$1.75.

5901 Cream Star. Pkt. 25c; 1/16 oz. 85c; ¼ oz. \$1.60.

5915 Fire Chief. Red. Pkt. 25c; 1/16 oz. \$1.00; ¼ oz. \$1.75.

5902 Glow. Rich rose. Pkt. 25c; 1/16 oz. \$1.00; ¼ oz. \$1.75.

5903 Heavenly Blue. Silvery. Pkt. 15c; 1/16 oz. 60c; ¼ oz. \$1.10.

5908 Rose of Heaven. Rose. Pkt. 15c; 1/16 oz. 60c; ¼ oz. \$1.10.

5910 Rosy Morn. Soft rose. Pkt. 15c; 1/16 oz. 60c; ¼ oz. \$1.10.

5911 Snow Queen. White. Pkt. 15c; 1/16 oz. 60c; ¼ oz. \$1.10.

5913 Violacea. Purple. Pkt. 15c; 1/16 oz. 60c; ¼ oz. \$1.10.

5920 Dwarf Compact Mixed. Pkt. 15c; 1/16 oz. 40c; ¼ oz. 75c.

9221
Collection
Six Bedding
Petunias
1 pkt. each

Cheerful
Fire Chief
Heavenly Blue
Rose of Heaven
Snow Queen
Violacea

Value **85c**

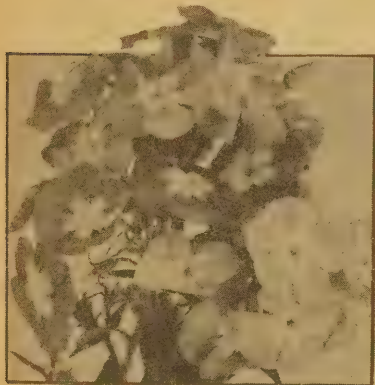
Spreading Type Bedding Petunias

5954 Mixed. The ideal type for covering large beds or rough areas to be hidden under a cover of colorful flowers throughout the summer and fall. Of trailing habit. Pkt. 10c; 1/16 oz. 30c; ¼ oz. 55c.

Annual Phlox (hA)

Phlox Drummondii Grandiflora

This makes admirable beds and borders, more colorful than the choicest Persian rug and lasting from early summer until well in the fall. Sow early where to bloom or start in pots indoors for transplanting later.



Annual Phlox

6032 Mixed. Carefully blended to insure the proper proportion of each color for the richest effect. Grows 15 in. tall and as broad. Pkt. 10c; $\frac{1}{8}$ oz. 60c; $\frac{1}{4}$ oz. \$1.10.

6050 Dwarf Compact Mixed. Only 6 in. tall and just right for edging or small beds. Despite its low growth the flowers are large and so are the flower clusters. Pkt. 15c; $\frac{1}{8}$ oz. 80c; $\frac{1}{4}$ oz. \$1.50.



Pyrethrum — Persian Daisy

Pyrethrum (hP) Persian Daisy

6433 Single and Double Mixed. A handsome, hardy plant with large, daisy-like flowers in many fine shades of pink, rose, red, and also white. Almost indestructible forming large, well-branched plants $1\frac{1}{2}$ ft. tall covered during May and June with a wealth of blooms which also are excellent for cutting. Pkt. 25c; $\frac{1}{8}$ oz. \$1.00; $\frac{1}{4}$ oz. \$1.75.

Silky Crinkled Annual Poppies (hA)

One of the grandest garden annuals — and so easy to grow. Just sprinkle the seed on the ground preferably as early in the spring as possible to enjoy a triumphant spectacle of gay and flaunting colors during June and July. For later blooms sow again in May and July. A September sowing will result in small winter-hardy plants that give an exceptionally fine display the following spring. For use as cutflowers sear the stem ends of the freshly cut blooms in a flame or dip in boiling water for ten or twenty seconds.

6109 Single Shirley Mixed. $1\frac{1}{2}$ ft. Large and very colorful ranging from silky pure white through delicate and rich shades of pink to deepest red. All are delightfully crinkled and carried on strong stems. Pkt. 10c; $\frac{1}{4}$ oz. 30c; $\frac{1}{2}$ oz. 55c.

Hardy Oriental Poppies

Papaver orientale

(hP)



Oriental Poppy

Nothing contributes to the June garden display such barbaric splendor as Oriental Poppies. Boldly displayed on plants 2 to 3 ft. tall are enormous flowers, 5 in. across, with silky crinkled petals accentuating their rich colors. Sow in spring and transplant in the fall when new leaves begin to develop.

6298 Orientale. Rich scarlet. Pkt. 15c; $\frac{1}{8}$ oz. 60c; $\frac{1}{4}$ oz. \$1.10.

6310 Princess Victoria Louise. Fascinating salmon. Pkt. 25c; $\frac{1}{8}$ oz. \$1.00; $\frac{1}{4}$ oz. \$1.75.

6354 Orientale Mixed. Pkt. 15c; $\frac{1}{8}$ oz. 75c; $\frac{1}{4}$ oz. \$1.40.



Double Shirley Poppies

6185 Double Shirley Mixed. $1\frac{1}{2}$ ft. Adorable double blooms radiating their cheerful, bright colors and artistic color combinations throughout late spring and summer. Pkt. 10c; $\frac{1}{4}$ oz. 40c; $\frac{1}{2}$ oz. 75c.

Iceland Poppies (hP)

Papaver nudicaule

6287 Mixed. 1 ft. Few perennial flowers have such a long blooming season. Starts in May with a profuse outburst and continues without interruption until October. The plants make neat, compact cushions of soft green leaves with the flowers held erect on strong stems. They are very colorful and contain many rare shades — peach, light orange, ecru, and others besides white, pink, and yellow. Pkt. 15c; $\frac{1}{8}$ oz. 60c; $\frac{1}{4}$ oz. \$1.10.

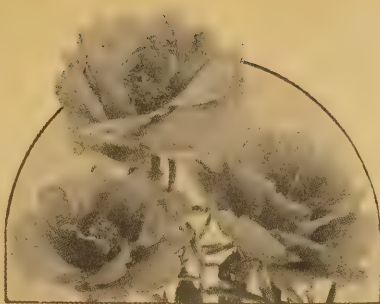


Hardy Primrose

Hardy Primrose (hP)

Primula polyanthus

6364 Giant Mixed. This is the popular Bunch Primrose bearing during April and May showy large clusters in shades of cream, yellow, orange, pink, rose, crimson, lilac, purple, and also white. Grows 6 to 9 inches tall. Pkt. 25c; 1/16 oz. \$1.25; 1/8 oz. \$2.25.



Double Portulaca

Portulaca—Rose Moss (hA)

Very useful for covering sunny banks, in the rock garden, between stepping stones, for edging and in beds as it grows only 6 in. high. Blooms continuously from June to frost.

6365 Single Mixed. Colorful. Pkt. 10c; 1/8 oz. 55c; 1/4 oz. \$1.00.

6376 Double Mixed. Very fine. Pkt. 10c; 1/8 oz. 80c; 1/4 oz. \$1.50.



Salpiglossis

Salpiglossis (tA)

Painted Tongue — Velvet Flower

6650 Mixed. 1 1/2 ft. Large, funnel-shaped blooms of richest colors many with golden veins. July to frost. Pkt. 10c; 1/8 oz. 50c; 1/4 oz. 95c.

Salvia — Scarlet Sage (tA)

Brings to the garden an unequalled mass display of scorching scarlet red that lasts from June until frost. Gorgeous in solid beds, as accents in the mixed border, or in front of shrubs. Sow early indoors and set out after all danger of frost is past.



Scarlet Sage

6598 America or Globe of Fire. 2 ft. Blooms early and continuously. Vigorous; scarlet blooms. Pkt. 25c; 1/8 oz. \$1.25; 1/4 oz. \$2.25.

6565 Splendens. 3 ft. Excellent for large beds and borders covered with blazing scarlet red flowers. Pkt. 10c; 1/8 oz. 75c; 1/4 oz. \$1.25.

6576 Bonfire. 2 ft. Very compact with the brilliant red flowers a solid mass of startling brilliance. Pkt. 25c; 1/8 oz. \$1.25; 1/4 oz. \$2.25.

Perennial Salvia — Blue Sage

6589 Farinacea. (hP) 2 ft. Fine long spikes of light blue from July to frost. Blooms first year if sown early indoors. Pkt. 15c; 1/8 oz. \$1.00; 1/4 oz. \$1.75.

6609 Patens. (tP) 2 ft. Deep ultramarine flowers for beds, border, and in the greenhouse. Not hardy. Pkt. 25c; 1/8 oz. \$1.25; 1/4 oz. \$2.25.



Scabiosa

Scabiosa — Pincushion Flower (hhA)

6687 Large-Flowering Double Mixed. 2 1/2 ft. The well-branched plants are covered from July to frost with interesting large blooms in which the pistils look like pins stuck into a cushion. There are many fine colors and soft pastel tints adding a delicate touch to the garden and very useful for cutting. Their sweet fragrance adds to their charm attracting bees as well as colorful butterflies. Pkt. 10c; 1/4 oz. 50c; 1/2 oz. 95c.



Shasta Daisy

Shasta Daisy

(hP)

Chrysanthemum maximum

6739 Alaska. 2½ ft. The earliest and largest of these luxuriant perennials. Not only very profuse but flowering all through June and July. The glistening white petals are accentuated by the small yellow cushion in the center and are carried on long stems. Pkt. 15c; 1/16 oz. 45c; ½ oz. 85c.

6740 New Giant Double White. 2½ ft. There are several rows of fringed, curled, and quilled white petals that give the blooms a good double appearance. Pkt. 25c; 1/16 oz. 85c; ½ oz. \$1.60.

Stocks — Gilliflower

(hhA)

6865 Large-Flowering Double 10-Weeks Mixed. 1½-2 ft. Very colorful, richly fragrant, and early blooming. Start seed early indoors and set out after frost. Likes cool weather. Comes 60% double. Pkt. 10c; ½ oz. 60c; ¼ oz. \$1.10.

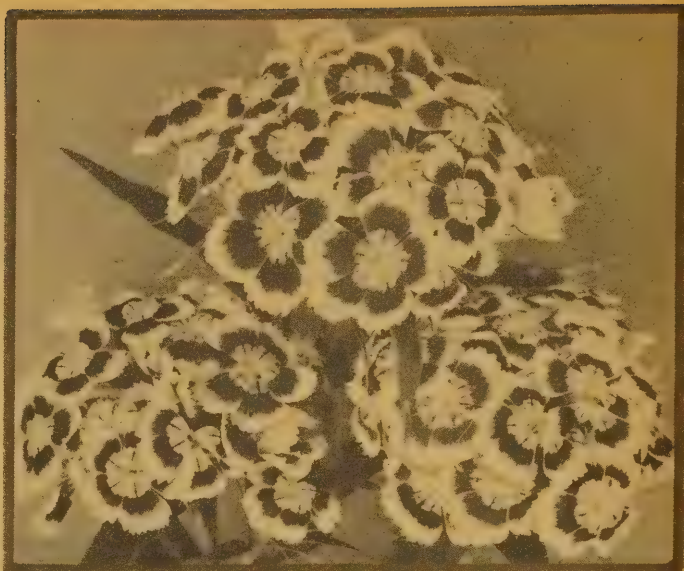


Strawflower

Strawflower — Helichrysum

(hhA)

4465 Double Mixed. As interesting as attractive, and useful especially for dried winter bouquets. There are many fine colors and these are retained after drying. Sow outdoors after frost and thin to 12 in. in the row. For drying cut before fully open, strip off leaves, and hang head-down in a cool airy place until brittle. Pkt. 10c; ½ oz. 30c; ¼ oz. 55c.



Single Sweet William

Sweet William—*Dianthus barbatus*

(hP)

An old-time favorite but in such greatly improved form that grandmother would hardly recognize it. The flowers are much larger and so are the clusters they form. There are many more colors and all are cleaner and brighter with white, pink, rose, and red predominating. Easy to grow and best in a light, rich soil.

7576 Single Mixed. 1½ ft. Just covered with flowers in May and June. Pkt. 10c; ½ oz. 40c; ¼ oz. 75c.

7598 Giant Double Mixed. 1½ ft. Very double and colorful. Pkt. 10c; ½ oz. 65c; ¼ oz. \$1.25.

7599 Dwarf Single Mixed. 6 in. Very compact, free-blooming plants. Pkt. 25c; ½ oz. 75c; ¼ oz. \$1.40.

Sunflower — *Helianthus*

(hA)

6930 Miniature Mixed.

4 ft. Also known as Cut-and-Come-Again because of its ability to develop new flowers from June to frost. Excellent for the background and superb for cutting. The bushy plants bear showy 4-inch blooms in a great variety of yellow shades, from cream to rich gold. Those with twisted flower petals add an interesting diversion. Pkt. 10c; ¼ oz. 30c; ½ oz. 55c.



Miniature Sunflower

6932 Russian Mammoth. 6 ft. Strong, upright plants with enormous yellow flowers that are as unusual as they are attractive as a backdrop or for a tall dividing line. Also grown for poultry food and a strong attraction to wild birds when seeds are ripe. Pkt. 10c; oz. 15c.

The symbols following the genera tell you at a glance about the hardiness and duration, and this in turn serves as a guide to their culture. For explanation of the symbols see page 30, and for cultural references the inside back cover which faces the index on page 64.

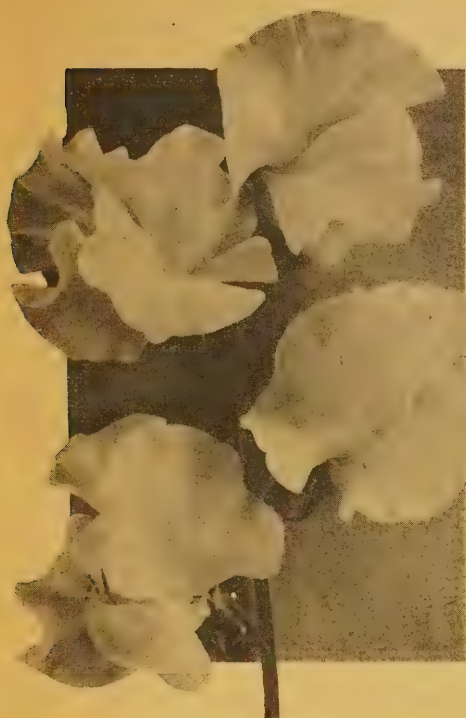
SWEET PEAS—Exquisite and Fragrant (hAC)

One oz. will sow a single row of 25 feet.

No other annual climber enjoys such wide-spread popularity as Sweet Peas. They are easy to grow and yield great quantities of fragrant flower sprays for cutting. There are many fine colors to choose from.

Sweet Peas are partial to cool growing weather and where summers are hot should be sown in late winter or earliest spring.

With us they need supports 6 ft. tall and bloom most profusely in June and early July. In cooler sections 10-foot supports are needed and there they bloom from June to frost.



Giant Verbena

Giant Verbena (hhA)

7710 Giant-Flowering Mixed. 1 ft. A marvelous mixture of superb colors shown off in great big flowers arranged in extra-large clusters. Of spreading habit, to 2½ ft. across. Start seed indoors for early blooming, or outdoors in May. Pkt. 10c; ¼ oz. 60c; ½ oz. \$1.10.

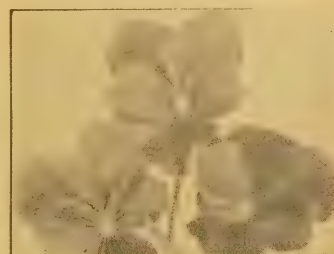


Thunbergia

Thunbergia (hhAC)

Black-Eyed Susan Vine

7610 Fine Mixed. 5 ft. Lovely slender vines with bright green leaves and large blooms of cream, yellow, and white with many of them showing a large velvety black eye in the center. Blooms from July to frost. Also is a unique ground cover. Pkt. 15c; ½ oz. 30c; ¼ oz. 55c.



Viola — Tufted Pansies

Viola—Tufted Pansies (hP)

5854 Mixed. 6 in. The plants make a conspicuous display of large and very colorful blooms from May to July. Fine for edging or rock garden. Pkt. 15c; 1/16 oz. 50c; ½ oz. 95c.

Summer-Flowering Spencers for the Garden

These are the famous "Orchid-Flowered" Sweet Peas — the largest and most beautifully formed of all. Each spray carries 3 and often 4 extra large, handsomely waved blooms on a fine long and strong stem. All have a delightful fragrance.

- 7023 Chieftain. Satiny mauve.
- 7025 Chinese Blue. Deep blue
- 7027 Cream Gigantic. Cream.
- 7062 Gigantic. Pure white.
- 7104 Jumbo. Deep cerise.
- 7180 Pinkie. Large rose-pink.
- 7182 Pirate Gold. Golden orange.
- 7190 Powerscourt. Pure lavender.
- 7220 Royal Purple. Rich purple.
- 7230 The Sultan. Rich maroon.
- 7242 Welcome. Dazzling scarlet.

9234 Collection Six Glamorous Sweet Peas

One pkt. each; Chinese Blue, Gigantic, Pinkie, Pirate Gold, Royal Purple, and Welcome. A catalog value of 90c at the special price of

75c

Any of the above: Pkt. 15c; oz. 50c; ¼ lb. \$1.50.

7209 Spencer Mixed. Pkt. 10c; oz. 35c; ¼ lb. \$1.00.

Early-Flowering Spencers

For Greenhouse and Early Outdoors

These start blooming outdoors 3 to 4 weeks sooner. They are of special value to greenhouse growing and also much in demand by southern gardeners who find them more satisfactory under their conditions than the summer-flowering kinds.

- 7383 Ball's Orange Improved.
- 7414 Celestial. Cerise-rose.
- 7413 Florist Rose. Pure pink.
- 7416 Grenadier. Dazzling scarlet.
- 7419 Memory. Giant lavender.
- 7421 Navy Blue. Dark blue.
- 7455 Othello. Maroon.
- 7457 Snowstorm. Pure white.

Any of the above: Pkt. 15c; oz. 60c; ¼ lb. \$1.75.

7509 Early-Flowering Mixed. Pkt. 10c; oz. 50c; ¼ lb. \$1.50.

7515 Cuthbertson Heat-Resistant Sweet Peas

A new type developed by crossing the summer- and winter-flowering kinds. Includes the full color range and keeps on blooming during hot weather. Pkt. 10c; oz. 50c; ¼ lb. \$1.50.

Giant
Dahlia-Flowered
Zinnia

Giant Double ZINNIAS

(hhA)

Majestic — Colorful
Free-Blooming



Zinnias, the most gorgeous of annuals, are needed in every garden. Few others flower as freely and none surpass its duration of blooming.

Starting in mid-summer there is a continuous succession of colorful flowers until fall frost puts an end to the show.

There are various types. Some have extremely large blooms and others equally as desirable have smaller ones. What the latter lack in size they make up in number of blooms.

Zinnias are easy to grow and seed may be sown outdoors after danger of frost is past. For earlier flowers it also can be started in the coldframe or indoors.

They grow most luxuriantly in a fairly rich soil and must have full sun. When about 2 in. tall thin the rows so that the giant varieties stand 3 ft. apart and others anywhere from 18 in. to 2½ ft. depending on their height and spread.

Giant Dahlia-Flowered Zinnias

A favorite type with truly immense blooms measuring 6 in. across and 4 in. deep, and always fully double to the very center. The plants are vigorous reaching a height of 3 ft. and if given the room are almost as broad. The colors are especially rich and pure.

- 8105 Canary Bird. Bright canary yellow.
- 8109 Crimson Monarch. Crimson-scarlet.
- 8107 Dream. A fine orchid-lavender.
- 8110 Exquisite. Light rose; center deep rose.
- 8121 Golden Dawn. Rich orange-yellow.
- 8127 Illumination. Stunning rich rose.
- 8128 Luminosa. Sparkling deep pink.
- 8130 Oriole. Radiant gold blended with orange.
- 8132 Polar Bear. Splendid large pure white.
- 8133 Royal Purple. Majestic rich purple.
- 8143. Scarlet Flame. Dazzling bright scarlet.

Any of the above:

Pkt. 15c; ⅓ oz. 45c; ¼ oz. 80c.

- 8165 Dahlia-Flowered, Mixed. All these fine colors.

Pkt. 10c; ⅓ oz. 40c; ¼ oz. 75c.

9252 Collection of Six Colorful Giant Dahlia-Flowered Zinnias

One pkt. each: Dream, Luminosa, Oriole, Polar Bear, Royal Purple, and Scarlet Flame. Purchased separately these would cost 90c. Price of the special collection of all six colors **75c**



8300 Burpee Giant Hybrid Zinnias

The loveliest and most interesting of all giant Zinnias with truly immense, fluffy and ruffled blooms like those of a giant Chrysanthemum. The loosely arranged petals are gracefully curved and that gives the blooms a grace not present in any other type. Well grown flowers measuring 6 in. across are plentiful. In addition there are many unusual colors such as Chinese coral, vermilion, soft orange tones, unusual pinks, carmine-rose, many with cream or light yellow center. Pkt. 25c; ⅓ oz. \$1.00; ¼ oz. \$1.75.

Youth and Old Age

California
Giant Zinnia



California Giant Zinnias

Colossal flowers measuring from 4 to 5 in. across. Fully double, of semi-globe shape with the petals in a graceful, shingle-like arrangement. Unusual vigor insures a strong growth of 3 ft. and a width of 2 ft.

- 8180 **Cerise Queen.** Lively cerise-rose.
- 8204 **Daffodil.** Luminous canary yellow.
- 8178 **Enchantress.** Light rose; deep rose center.
- 8179 **Lavender Queen.** Deep rosy lavender.
- 8182 **Miss Wilmott.** Charming bright rose-pink.
- 8187 **Orange King.** Stunning rich orange-red.
- 8189 **Orange Queen.** A striking orangy yellow.
- 8209 **Purity.** Attractive, clean, pure white.
- 8210 **Rose Queen.** Rose; deep rose-red in center.
- 8177 **Salmon Queen.** Picturesque salmon-rose.
- 8212 **Scarlet Queen.** Scintillating scarlet.
- 8213 **Violet Queen.** Warm, rich deep purple.

Any of the above:

Pkt. 15c; 1/8 oz. 45c; 1/4 oz. 80c.

- 8232 **California Giants Mixed.** A riot of all these fine colors. Pkt. 10c; 1/8 oz. 40c; 1/4 oz. 75c.

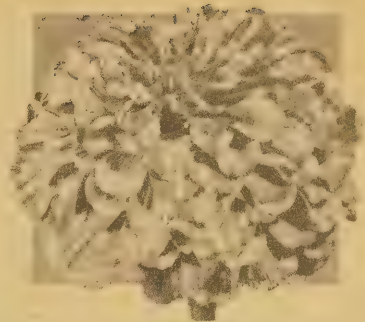
- 8174 **Giant Pastel Tints Mixed.** 3 ft. Large, showy flowers 5 to 5 1/2 in. across in a mixture of most alluring pastel tints, including peach, buff, ecru, lively cerise-rose, cerise-salmon as well as rich cream and pure white. Pkt. 15c; 1/8 oz. 45c; 1/4 oz. 80c.

- 8021 **Cut-and Come-Again Zinnias Mixed.** 2 ft. Bushy plants with flowers 2 1/2 in. across in good clear colors. Pkt. 10c; 1/8 oz. 30c; 1/4 oz. 55c.

- 8250 **Fantasy or Chrysanthemum-Flowered.** 3 ft. Informal 3-inch blooms with twisted, shaggy petals. Many colors. Pkt. 10c; 1/8 oz. 45c; 1/4 oz. 80c.

- 8240 **Scabiosa-Flowered Mixed.** 2 1/2-3 ft. Flowers 2 1/2 in. across with broad guard petals and a dense center cushion. Pkt. 10c; 1/8 oz. 45c; 1/4 oz. 80c.

- 8285 **Gaillardia-Flowered Mixed.** 2 ft. Flowers resemble a double Gaillardia. 2 in. across. Mellow bi-color tones. Pkt. 15c; 1/8 oz. 45c; 1/4 oz. 80c.



8305 Peppermint Stick Zinnia

A mixture of unusual charm and unlike any other Zinnia. 2 1/2 to 3 ft. tall. The flowers are almost round and measure 2 1/2 in. across. They are fully double with the petals striped in various bright color combinations — red and white, red and yellow, purple and white, carmine and white, orange and yellow, and others. Pkt. 25c; 1/8 oz. 60c; 1/4 oz. \$1.10.



Baby or Double Lilliput Zinnias

Baby or Double Lilliput Zinnias

1 1/2 ft. tall and just covered with charming 1 inch flowers. Excellent in the garden and fine for cutting.

- | | |
|------------------|------------------|
| 8055 Black Ruby | 8058 Lilac Gem |
| 8048 Canary Gem | 8059 Purple Gem |
| 8050 Crimson Gem | 8051 Salmon-Rose |
| 8046 Flesh Pink | 8047 Scarlet Gem |
| 8049 Golden Gem | 8052 White Queen |

Any of the above:

Pkt. 15c; 1/8 oz. 35c; 1/4 oz. 65c

- 8054 **Mixed Lilliput Zinnias.** All colors. Pkt. 10c; 1/8 oz. 30c; 1/4 oz. 55c.

- 8056 **Lilliput Pastel Mixed.** Soft pastel tones. Pkt. 15c; 1/8 oz. 35c; 1/4 oz. 65c.

- 8290 **Persian Carpet Mixed.**

Foot-high plants covered with brilliant 1 1/2 inch double flowers in shades of yellow, orange, and mahogany with the pointed petal tips a contrasting shade. Pkt. 25c; 1/8 oz. 60c; 1/4 oz. \$1.00.

Summer-Flowering Bulbs and Roots



Amaryllis

Giant Hybrid Amaryllis

Gorgeous lily-like flowers from 4 to 6 to a strong stem in shades of red, rose, and crimson on white ground as well as solid colors. Put bulbs singly in 6-inch pot in good soil enriched with bone meal and rotted manure with neck well exposed. Keep barely moist at 50° to 60° F. in dark place until flower shoot has emerged. Then place in sunny window. Plunge outdoors after frost in sunny spot and water well. Bring indoors before frost and store dry and cool in pot for several months. 2¾-3 in. Bulbs in Mixture Only. 90c ea.; 3 for \$2.50; 12 for \$9.00.

Bulbs are the easiest of all plant material to grow and they also are exceptionally pretty. These summer-flowering kinds are not hardy and consequently must be taken up in the fall for frost-free inside storage. Many kinds increase rapidly every year and that is another reason why many gardeners stress them in their planting schemes.

Fancy-Leaved Caladium

A wonderful foliage plant making a showy display all through its growing season. Widely grown in pots and especially effective in window and porch boxes. Also excellent bedding plants especially in shaded locations.



Start indoors in February or March in sandy soil and cover an inch deep. Water sparingly and keep not cooler than 70 degrees. When foliage shows color transplant to 5 or 6 inch pots filled with a mixture of leaf-mold and well decomposed cow manure. Water more freely as they grow. All colors mixed: 45c each; 3 for \$1.20; 12 for \$4.50.

ELEPHANT'S EAR

Caladium esculentum



Elephant's Ear

We supply mammoth bulbs of this showy tropical plant that has bright green leaves often 4ft. long and 2½ ft. wide. Very effective where a strong accent-plant 3 to 4 ft. is in place. Plant in good soil enriched with bone meal and well-decayed manure. When fall frost threatens take up, cut off leaves, and store frost-free over winter. Remove small offset bulbs before replanting. 45c ea.; 3 for \$1.20; 12 for \$4.50.



Tuberous-Rooted BEGONIAS

Tantalizing large flowers of exquisite wax-like texture in most vivid colors and the best flowering plant for shaded spots. Start indoors in March or April by embedding half-way into moist peatmoss. Keep warm and dark until growth starts. After frost transplant to garden beds rich in leafmold and sand. Lift before frost, dry off, and store frostproof and dry until the following spring.

Double Camellia-Flowered

White
Yellow

Rose
Salmon-Rose

Orange
Scarlet

Any of the above (2 in. bulbs and larger): 45c ea.; 3 for \$1.20; 12 for \$4.50.



Double Camellia-Flowered Begonia

Frilled and Crested. Handsome blooms with lovely ruffled and frilled petals that give them special charm. Our mixture contains the full range of beautiful colors typical of this type. 45c each; 3 for \$1.20; 12 for \$4.50.

Giant-Flowering CANNAS

Luxuriant growth, massive brilliantly-colored flower trusses, and either rich green or bronze foliage make Cannas indispensable for a mass color effect that last throughout the summer and fall. Plant with eye barely covered after soil has become warm. They revel in full sun and the richer the soil the more glorious they will be. Well-rotted manure and bone meal give them extra vigor. For an earlier flower start, pot up in rich soil in February or March. Keep warm and moderately moist, and transplant to garden when nights have turned balmy. Lift clumps after first light frost, cut off leaves, and store dry and cool over winter.

CITY OF PORTLAND. 3½ ft. tall with the bright rosy pink blooms well displayed above the tropical rich green foliage.

KING HUMBERT. 4 ft. "King of All." Always a sensation, bearing immense trusses of the most scintillating scarlet that contrasts beautifully with the coppery bronze leaves.

THE PRESIDENT. 4 ft. Gigantic, scorching scarlet trusses above a mass of brilliant green leaves make this a special favorite.

YELLOW KING HUMBERT. 4 ft. Startlingly beautiful rich yellow blooms spotted and blotched brilliant red; bright green leaves.

Any of the above:

35c each; 3 for \$1.10; 12 for \$3.50.

Frost destroys tender bulbs and consequently they must not be planted until the nights have lost their chill. They must be taken up before fall frost occurs for storage in a cool, but frost-free, dry place until the following spring.

Giant Double Pearl TUBEROSE

The mere mention of Tuberoses awakens nostalgic memories of a fragrance, delightful and rich. If gardeners only knew how easy they are to grow they would plant them by the dozen or hundred to enjoy the rich perfume as well as the beauty of the double, waxy white blooms arranged gracefully on a long, slender but substantial stem.

Tuberoses just love hot weather provided they also have plenty of soil moisture to draw on. Plant them after the nights have turned balmy in a sunny garden spot with the tip of the bulb at the soil surface. A rich, sandy soil suits them especially well but good average garden soil serves them equally well. 3 for 50c; 12 for \$1.80; 100 for \$13.00.

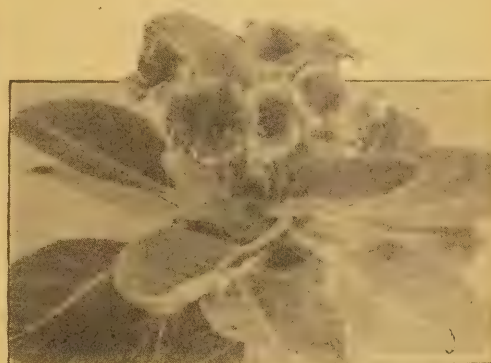
25 Bulbs of the Same Variety
will be supplied at the 100 rate



Tuberose
Double Pearl



Canna



Gloxinia

GLOXINIA

Every year more and more gardeners come to realize that Gloxinias are far from difficult to grow. In many ways they need the same requirements as African Violets and there can be no question about even rank amateurs scoring a wonderful success with them.

The magnificent, large, bell-shaped blooms of Gloxinia are very impressive and their colors are velvety rich.

They are delightful pot plants for summer and winter blooming in the house. Plant singly in 4 in. pots filled with a mixture of equal parts good soil leaf-mold, and sharp sand, adding a little bone meal for good measure.

Place in a warm window and keep moderately moist throughout the growing period. Always keep leaves dry and screen against strong sun. Mixed colors only. 50c each; 3 for \$1.35; 12 for \$5.00.

DAHLIAS — Favorites for Garden and Cutting



Giant-Flowered Decorative

F.D. — Formal Decorative; I.D. — Informal Decorative. All have enormous flowers of perfect form, carried on fine, strong stems. For garden display and exhibition.

D-DAY. F.D. Bright rose blooms, 7x4 in., on bushy plants 4 ft. tall. Very profuse with cane-like stems. 75c.

GAY. F.D. Primrose yellow with cleft petals, measuring 6x3 in. Grows 4 ft. tall. Fine cutflower. 75c.

GOLDEN PRINCE. I.D. A blend of rich gold and bronzy peach. 7x4 in. blooms. 4 ft. tall. 75c.

JEANETTE. F.D. Giant 10 in. blooms, 5 in. deep. Pansy purple with white tips. Very showy. \$1.00.

MRS. GEORGE LeBOUTILLIER. I.D. Warm carmine red. Flowers measure 11x5 in. Height 5 ft. 50c.

VICTORY F.D. Rose-pink with yellow shading at base. 10 in. across; 6 in. deep. Height 4½ ft. 75c.

WHITE WINNER. I.D. Early and profuse. Snow white blooms measuring 8x4 in. Excellent for cutting. 75c.

Dahlia Culture

Dahlias grow best in a well-prepared light or sandy loam enriched with old manure, bone meal, and a little lime. When soil is warm plant tubers with eye 3 in. below surface but cover only 1 in. deep. As plants grow, fill in the rest. Keep well cultivated and water if rains should fail to keep soil moist. When plants are 6 to 8 in. tall, cut off tip to induce branching. Take up after frost has blackened foliage and store cool and dry in Vermiculite until the following spring.

Pompon or Baby Dahlias

Dainty little ball-shaped blooms, 2 in. or less in diameter on bushy plants 2½ to 3½ ft. tall. Very free flowering.

BETTY ANNE. The loveliest soft rose-pink imaginable. 50c.

EDITH MUELLER. A charming blend of apricot and peach red. 50c.

LITTLE BUDDY. Adorable sparkling clear soft lemon yellow. 50c.

LITTLE DAVID. Russet - orange - red making a lasting impression. 50c.

MARY MUNNS. Everybody is thrilled by this fine clear lavender. 50c.

MORNING MIST. White with the center shading to rosy lavender. 50c.

YELLOW GEM. Cheerful little bright canary yellow flowers. 50c.

Dahlias are universal favorites for the reason that they are colorful, easy to grow, free flowering, and good for cutting. While the Giant varieties enjoy special favor gardeners gradually are paying more and more attention to the Miniature and Pompon sorts because they fit so well into even small gardens and produce a wealth of lovely cutflowers.



Miniature Dahlias

While miniature in comparison with the Giant Varieties they are by no means tiny. The bushy plants grow 2½ to 4½ ft. tall and the blooms measure 3 to 4 in. across—the ideal size for home displays.

BUCKEYE BABY. Bright golden buff, richly shaded with red. 50c.

LITTLE LEMON DROP. Intense bright lemon yellow. Very attractive. 75c.

NELLIE SHEE. A Clear light lavender of exceptional charm and beauty. 50c.

RALEIGH. Clear deep rose generously shaded bright salmon; and early. 50c.

SYLVIA. Uniform deep carmine blooms on slender but wiry stems. 50c.

WHITE FAWN. You will need this pure white one for special arrangements. 50c.



Vibrant • GLADIOLUS • Majestic

Gladiolus are by far the most popular of the summer-flowering bulbs and there is nothing that can take their place in the garden and for cutting. Our modern varieties have special vigor that encourages fine, long flower spikes well set with large, shapely blooms. The varieties offered have been selected with special care and represent the best in the popular price range.

When cutting spikes slide the knife alongside the stem to a point just above the second or third leaf then nick the stem sharply and break out the spike. That keeps more leaves attached to the plant, a necessity if the new corm is to reach full size.

ABU HASSAN. Mysteriously beautiful deep velvety violet-blue flowers with deeper markings in the throat. 3 for 35c; 12 for \$1.10; 100 for \$8.00.

ELIZABETH THE QUEEN. Mammoth ruffled blooms of exquisite clear lavender with a touch of rose in the throat. 3 for 35c; 12 for \$1.10; 100 for \$8.00.

GENERAL EISENHOWER. An inspiring beauty with huge, well-formed flowers of luminous Begonia rose combined into massive spikes that stand gracefully erect. 3 for 35c; 12 for \$1.10; 100 for \$8.00.

GOLD DUST. Fascinating deep clear yellow flowers of heavy substance, well displayed on a long and strong stem. 3 for 30c; 12 for 95c; 100 for \$7.50.

JUNE BELLS. Slender, strong spikes that set off well the charming pure white flowers. Highly valued for cutting. 3 for 30c; 12 for 95c; 100 for \$7.50.

LEEWENHORST. Huge flowers of light rose with lavender sheen, beautifully arranged on spikes of special vigor. 3 for 30c; 12 for 95c; 100 for \$7.50.

MASKERADE. Very unusual and pretty—amber yellow with a well-defined scarlet blotch in the center of each flower. 3 for 30c; 12 for 95c; 100 for \$7.50.

MANSOER. Large and very rich—velvety deep red. 3 for 30c; 12 for 95c; 100 for \$7.50.

MORNING KISS. Of exhibition stature with 8 to 10 white flowers with rosy haze open at one time. Elegant and picturesque. 3 for 30c; 12 for 95c; 100 for \$7.50.

PICARDY. The finest and most outstanding clear shrimp pink with 8 huge flowers open at one time. Very inspiring. 3 for 30c; 12 for 95c; 100 for \$7.50.

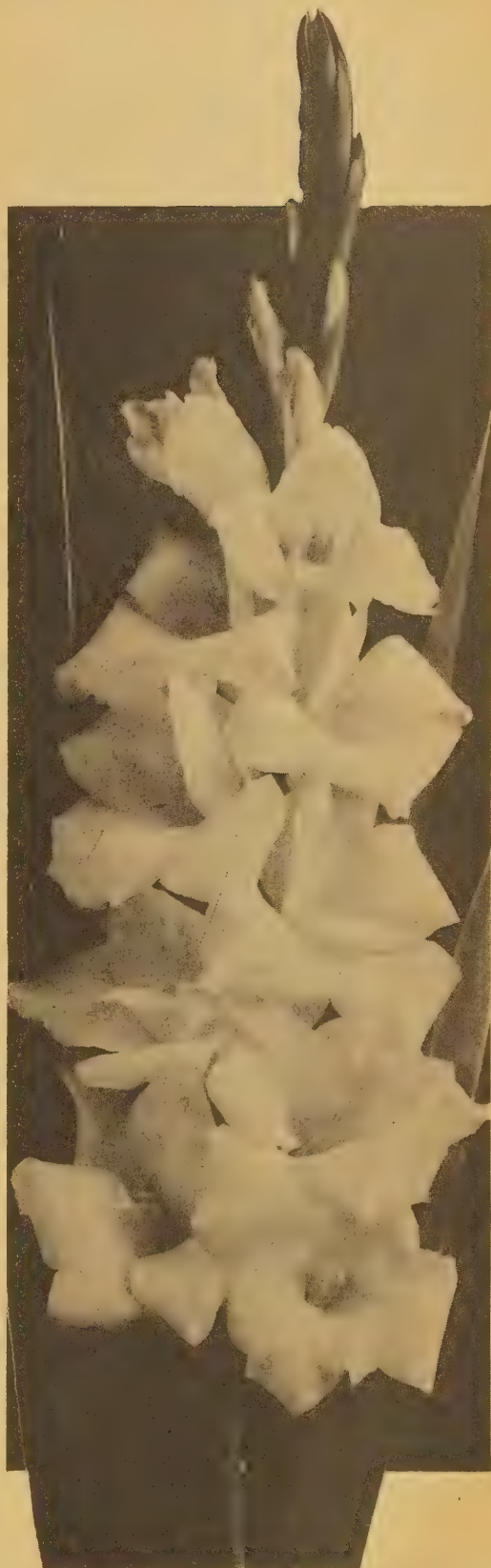
RED CHARM. Brilliant red and a winner frequently carrying 10 open flowers at one time. Tall, vigorous, reliable. 3 for 35c; 12 for \$1.10; 100 for \$8.00.

Rainbow Gladiolus Mixture

There are many who prefer a mixture of Gladiolus to separate varieties and for these we have blended all the best colors in the right proportions to give a stunning garden display and supply colorful vase displays. 3 for 25c; 12 for 80c; 100 for \$6.00.

Gladiolus are Easy to Grow

Plant when soil has warmed up in spring and repeat at 2 weeks intervals until early July for a succession of flowers. Prepare soil deeply, adding fertilizer and humus. Full sun and good drainage are essential. Place bulbs 4 to 6 in. deep depending upon whether it is heavy or sandy soil. Be sure to water copiously once a week during dry periods.



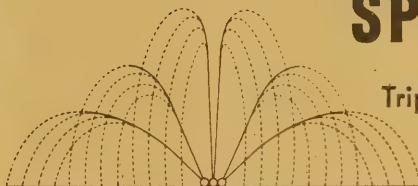
General Eisenhower

25 Bulbs of the Same Variety
will be supplied at the 100 rate

Headlining the NEW GARDEN GADGETS

**THERE'S
NOTHING
LIKE THE**

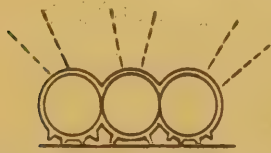
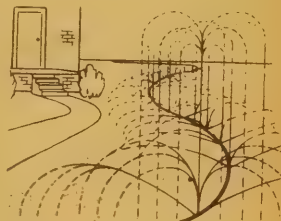
SUPPLEX *flexible* **SPRINKLER**



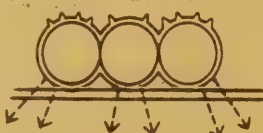
Triple-Tube Construction

**Always Makes it
Lie Flat**

A really wonderful new sprinkler that belongs into every garden. It's a triple-tubed plastic hose with tiny slits placed at the right intervals to emit a perfect pattern of slender water jets that break up into a fine, mist-like spray as gentle as the softest rain. For soil soaker turn the flat hose upside down.



**RIBS DOWN, IT SPRINKLES
UPWARD ONLY**



**RIBS UP, IT SOAKS
DOWNWARD ONLY**

Follows the outline of curved beds easily. Very light, easy to handle, easy to store on the light metal reel that comes with it.

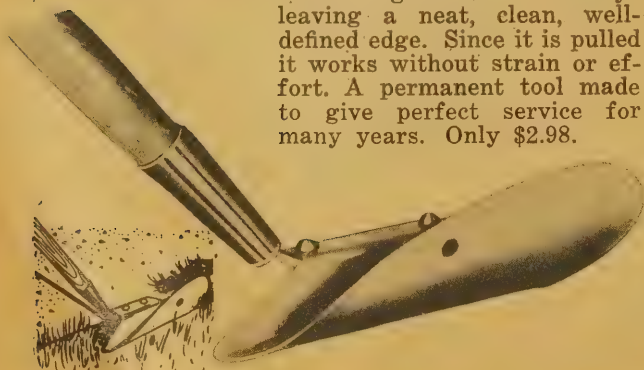
No. 600. 25 ft. long and covering 25 by 20 ft. with normal water pressure. \$3.98.

No. 1000. 50 ft. long and covering a strip 25 ft. wide and 50 ft. long. \$5.98.

... *The Revolutionary* **NEW** **QUIK-TRIM** **EDGER**



Trimming along side walks and gardens beds actually is a pleasure with this new kind of tool. It's so easy, quick, and effortless. Throws the soil upon the walk for easy gathering or banks it against the bed always leaving a neat, clean, well-defined edge. Since it is pulled it works without strain or effort. A permanent tool made to give perfect service for many years. Only \$2.98.



**New
Plant
Ties**

**NEAT
INVISIBLE
HANDY
PERMANENT**

Never have we seen or tried anything that makes tying plants so easy and quick. Strong green paper is spiral-twisted around flexible wire like the insulation around old-fashioned bell wire.



That construction preserves the full flexibility of the wire for easy twisting or tying into knots.

No. 8. 100 Twist-n-Ties 8 inches long in handy pull-out box. 25c.

No. 15. 100 Twist-n-Ties 15 inches long in handy pull-out box. 50c.

N. 250. A continuous roll of 250 feet of Twist-n-Ties for you to cut into whatever lengths are needed for only \$1.00.

New
Sensational
KRILIUM

The Miraculous
Chemical
Soil Conditioner

Krilium, well mixed with hard clay soil, changes its structure by rearranging the tiny clay particles into aggregates much like nature does by means of the natural resins found in humus. It does this so quickly and effectively that almost as by magic unmanageable clay soils become workable and productive.

One pound of Krilium will treat 50 sq. ft. six inches deep or twice that area three inches deep.

Works equally well where mixed with heavy soil used for potplants or in flower or window boxes.

2 oz. 30c; lb. \$1.40; 5 lb. \$4.95.



Grow a
MIRACLE GARDEN
with

Miracle-Gro

Miracle-Gro solves one of the most important garden problems — that of keeping the plants well supplied with all the food elements they need to develop to perfection. Used as per instructions it will make your garden more beautiful, more fruitful, and more delightful. Potted plants of all kinds also respond to it equally favorably.

Unlike most old-fashioned fertilizers and plantfoods it acts within minutes after application because the food is absorbed through the leaves as well as through the roots. Thus it takes advantage of the tremendous gains offered through foliar feeding.

Miracle-Gro is a complete fertilizer in concentrated form so that a small quantity goes a long way. It contains a special penetrant that helps carry the food quickly to the roots. In addition to 15% nitrogen, 30% phosphoric acid, and 15% potash it includes the right quantities of all the very important minor elements.

Diluted as per directions it cannot harm even the most tender foliage and roots. One level tablespoonful makes a full gallon of liquid fertilizer and this quantity suffices for 25 sq. ft. of lawn, 15 sq. ft. of deciduous shrubs, 10 sq. ft. of evergreens and flowers, 5 sq. ft. of vegetables and roses. This same concentration also is used for houseplants.

Apply Miracle-Gro once a month except on slow-growing plants like Ivy which may be fed every second month during the growing season.

Apply with an ordinary watering can wetting the foliage well, excepting only those with soft, hairy leaves like African Violets, the foliage of which never should be wetted.

For garden applications either the Gro-Gun or Spray-Mix Nozzle will save much time and the need of lugging the watering can all over the garden.

8 oz. \$1.00; 1½ lb. \$2.25; 5 lb. \$5.00.

GRO-GUN (see page 57). \$2.95.

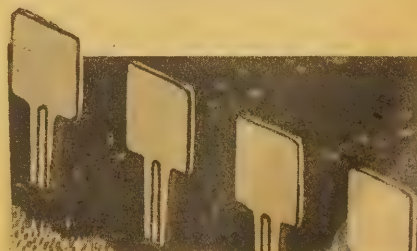
SPRAY-MIX NOZZLE. (see page 57). \$1.49.

LIQUID PLANT
FOOD
PLUS
SOIL CONDITIONER
in plastic squeeze bottle



Window gardeners will welcome this handy combination of liquid fertilizer and soil conditioner put up in a handy squeeze bottle. No more mixing or diluting this or that. One simple squeeze directed upon the soil surface of each of your potted plants supplies a complete, well-balanced plant food, plus all-important minor plant nutrients plus a nationally known soil conditioner. Over 100 feedings to bottle. 59c.

These are the New
RO-MARX Metal Labels
12 for 75c.



Time-Saving Tools and Helpful Garden Supplies

ASBESTOS TORCH

Attach to your own pole and soak the asbestos-filled wire ball in kerosene, and light for burning out caterpillar nests in trees and shrubs. 85c.



BULB PLANTER. The best tool for planting all kinds of bulbs. Easily pushed into the loose soil. Lifts out a perfect core of soil leaving a flat bottom for the base of the bulb to rest on. Permits placing bulbs exactly where wanted without disturbing the surrounding soil. 95c.



FLYING DISKS

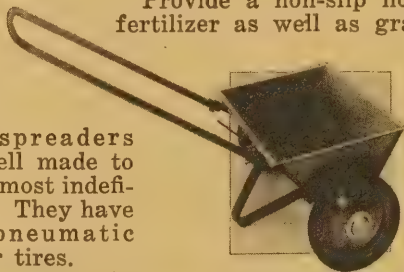
Scares them away — those annoying and destructive birds and small wild animals that can cause so much havoc in the garden. Swirling in the wind the shiny metallic disks combine frightful crackling noises with lightning-like flashes of light that give effective protection night and day. 10 for 25c.



BUCH FERTILIZER SPREADERS

Provide a non-slip flow adjustment that spreads fertilizer as well as grass seed evenly.

Buch spreaders are well made to last almost indefinitely. They have semi-pneumatic rubber tires.



No. 1. Has a hopper 15 in. wide and holds 28 lb. of fertilizer. \$6.50.

No. 2. A 20-inch hopper with a capacity of 40 lb. of fertilizer. Just right for most lots. \$13.50.

GARD'NETTES

Watertight Garden Gloves

Deluxe, form-fitted for greater comfort and skillful handling of seedlings. Smartly styled and so durable that they actually outwear leather. Tough vinyl-coated "Interlock" knitted. Perfectly watertight which is important when working with wet soil or when spraying or dusting. Fine for cultivating or weeding. Easy to wash. Available in small, medium, and large ladies' sizes. \$1.70.



GREEN THUMB GARDEN GLOVES

Washable, vinyl-treated fabric that keeps out dirt and wears several times longer than canvas gloves. Splendid for garden and house work.

For Lady Gardeners. Small, medium, and large. Please state size. 89c.

For Men. One size only. 98c.

GARDEX FORK



A finely-balanced, 4-tined garden fork for all general spading tasks forged from one piece of high-carbon steel. \$3.00.



GARDEX STRAIGHT TOOTH RAKE

The most serviceable of all rakes and justly popular. Has 14 teeth and a 5 foot handle. Sturdily made from quality steel. \$2.00.

GARDEX SCUFFLE HOE



Here is a tool every gardener should have. Pushed along to cut weeds below the surface. Saves time and energy. \$1.95.



GARDEX TWO-PRONG SQUARE HOE

A two-in-one tool that does a wonderful job of weeding and cultivating especially where plants stand crowded. Has 4-foot handle. \$1.70.



GARDEX LAWN SWEEP

Gathers up everything in its path without pulling grass roots. Has 22 flat, flexible, tempered spring steel teeth. \$1.70.

GARDEX GARDEN TROWEL



Designed for efficiency and the right weight to do excellent work without tiring the hand. Its curved blade is 3 1/4 in. wide and the overall length is 11 1/4 in. Working with it is a real pleasure. 85c.

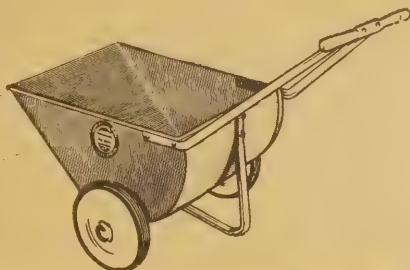
GRAFTING WAX. Specially prepared for grafting and budding but very useful also for many other purposes. Use it to fill small tree cavities and to plug up hollow stems of such plants as dahlias after flowers have been cut. $\frac{1}{4}$ lb. 35c; $\frac{1}{2}$ lb. 50c; lb. 80c.

MASTER'S HANDI CART

Once you have had a chance to use one of these Handi Carts you will wonder how ever you got along without it. Does everything the wheelbarrow does and more of it. Pull or push it whichever is easier for you. Tilt it forward to rake leaves, clippings, and other garden refuse into it without lifting.

The welded steel body provides the strongest possible construction for heavy loads. Extra-strong, double-welded double disc, steel wheels with rubber tires. Holds $3\frac{1}{2}$ cu.ft.

\$12.00.



Hotkaps

The next best thing to a hot-house and in some ways even better because transplanting is eliminated. Gain weeks by keeping plants growing night and day, protected against insects and heavy storms.



- 25 Hotkaps with fiberboard setter. 95c.
- 100 Hotkaps with fiberboard setter. \$3.15.
- 250 Hotkaps with fiberboard setter. \$5.90.

1000 Hotkaps without setter. \$18.35.

5000 Hotkaps without setter.

\$18.20 per 1000.

10000 Hotkaps without setter.

\$18.05 per 1000.



Steel Setter

FIBERBOARD SETTER. Satisfactory for limited work. 20c.

STEEL SETTER. Well made of strong steel to last a lifetime. \$1.95.

WOOD LABELS, Copper Wired.

For labeling shrubs, trees, and other plants like Dahlias in the garden or while in storage during the winter. $3\frac{1}{2} \times \frac{7}{8}$ in.: 100 for 60c; 1000 for \$5.50.

Pointed POT LABELS. Indispensable for many garden tasks such as labeling seed pans, pot plants, or for temporary garden use.

4x $\frac{5}{8}$ in.: 100 for 55c; 1000 for \$5.00.

5x $\frac{5}{8}$ in.: 100 for 60c; 1000 for \$5.50.

6x $\frac{5}{8}$ in.: 100 for 65c; 1000 for \$6.00.



WOODEN GARDEN LABELS. These are not only larger than the pot labels but also stronger so that they will last at least a full season outdoors.

8x $\frac{7}{8}$ in.: 100 for \$1.30; 1000 for \$12.50.

10x $\frac{7}{8}$ in.: 100 for \$1.50; 1000 for \$14.00.



RO-MARX METAL GARDEN LABELS

Strong metal labels finished in white and to be written on with rain-proof pencil. Nearly 7 in. long with a writing surface of $1\frac{1}{4}$ by $2\frac{1}{4}$ in. 12 for 75c.



AROUND TREES



ALONG SIDEWALKS

ROTO EDGER

Enjoy edging with this ingenious tool that does away with creeping on hands and knees. Does a wonderful job edging, trimming, shearing along sidewalks, around stepping stones and trees, up against fences, walls, building, and around roses and shrubs. Has rubber-tired wheel and rolls easily on either concrete or grass. Dual shear blades permit cutting either left or right hand. Has 48-in. handle and is self sharpening.

No. 20 Universal. Has one guide wheel. \$5.45.

No. 30 Deluxe. Has two wheels for greater traction. \$6.45.

Wiss GRASS-SNIP SHEARS. Highest quality, riveted construction with vertical handle action that takes less effort and places the hand in a more normal position. Bright rust-resistant, hardened, and tempered steel blades — expertly adjusted. Comfortably contoured handles with baked-on yellow enamel. Overall length 10 in. \$1.25.



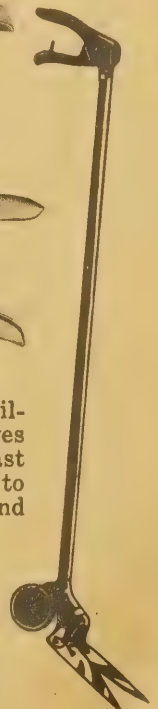
Wiss Grass-Snip Shears



Wiss Hy-Power PRUNING SHEARS

Well balanced, handy size, anvil-type that consistently gives sharp clean cuts with the least effort. Ruggedly constructed to last a lifetime. 8 in. long and fully nickel plated. \$2.75.

GRASS SHEAR. Long handle Doo-Klip. Stop crawling along on hands and knees when you can trim your lawn comfortably, easily, and quickly with this fine tool. Has 37 inch handle and 2 wheels for positive guidance. \$3.85.

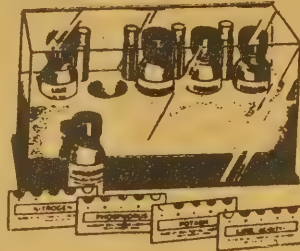


Long handle Doo-Klip Grass Shears

Sudbury Soil Test Kits

HOME GARDENER'S KIT.

Model D. This will make 20 tests, 5 each for nitrogen, phosphoric acid, potash, and acidity. Included are two pamphlets: Simplified Soil Testing Methods and The Good Earth. No knowledge of chemistry is needed. \$2.95.

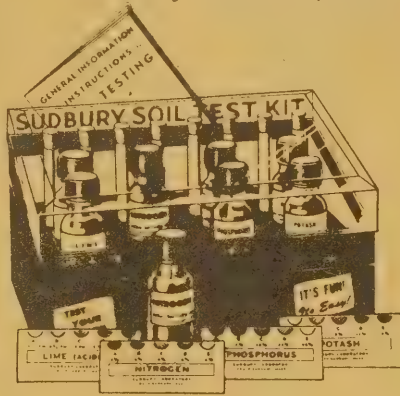


POPULAR GARDEN KIT

Model C. This provides for a total of 50 tests to tell you where you stand in regard to nitrogen, phosphoric acid, potash, and soil acidity. Supplied in an attractive plastic box with instructions and helpful chart showing need of grasses, flowers, vegetables. \$5.85.

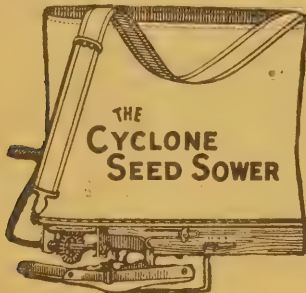
2 MINUTE Acidity Test.

Tells you in record time whether your soil is acid or alkaline and to what degree. \$1.50.



SPIKE DISC AERATOR

The discovery of not so many years ago that lawns require cultivation just as much as other crops if they are to thrive has now become common knowledge. The simplest way of doing this is with this tool that breaks the hard soil crust and lets air, water, and fertilizer reach the root zone quickly and effectively. If you value your lawn by all means spike-disc it several times during the growing season. The machine has 8 sharply-pointed discs and may either be pulled or pushed by its adjustable handle. Covers a 16 in. width. \$18.70.



CYCLONE SEED SOWER. Very popular on account of the good work it does distributing all smooth grass seeds as well as granular or pellet fertilizer. Has exclusive double-oscillating feed and instant shut-off that prevents waste. The heavy canvas bag holds half a bushel of seed. Can be used any time any place a man can walk. Built for years of excellent service. \$4.30.

CYCLONE HEAVY DUTY SEED SOWER.

Of the same construction as the Cyclone described above but having a heavier frame, gears, and bearing that will stand up under rougher and more intense use. The best choice where much sowing or fertilizing has to be done. Handles smooth grass seed as well as granular and pellet fertilizer easily and effectively. The bag has a capacity of one half bushel of seed. \$5.10.

TREE WOUND PAINT

Gardeners who appreciate their trees and realize their value never should be without this splendid antiseptic dressing for sealing and waterproofing tree wounds. It should be used regularly on all cuts two inches or more in diameter to protect the open wound against entry of disease producing micro-organisms. 1/2 pt. 80c; pt. \$1.50.

WHIZ WHEELBARROW

You owe it to yourself to let a wheelbarrow lighten some of the most strenuous garden tasks. The Whiz comes packed in a carton with full instructions for assembling. Though light in weight it handles heavy jobs. Has capacity of 3 cu. ft.; braced seamless red steel tray, aluminum rubber-grip handles, and puncture proof rubber tire. \$16.00.

TWIST-EMS. You'll never go back to string for tying plants once you have found out how much quicker and easier Twist-Ems work. They are thin, pliable wire covered with two layers of weather-resistant green paper. 200 4-inch Twist-Ems 25c; 100 8-inch Twist-Ems 25c; 100 16-inch Twist-Ems 50c.



When Nature Balks — Turn on the Faucet



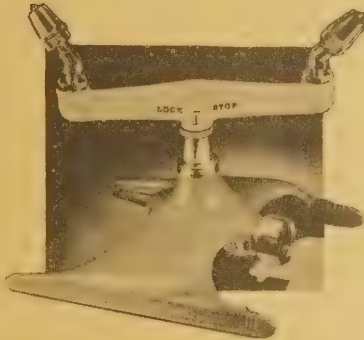
Ring Lawn Sprinkler

RING LAWN SPRINKLER.

A sturdy, all-brass sprinkler delivering a soft, fine spray that covers a circle of 14 ft. diameter with a water pressure of 20 lb. at the rate of 5 gal. each minute. Easily moved while in use. \$2.00.

PARKSIDE SPRINKLER

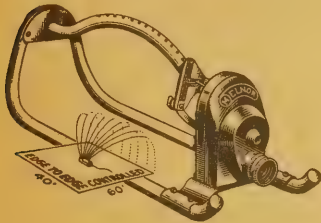
Easily adjusted to small or large areas, half circles and even irregularly shaped plots. Quickly changed from a revolving motion to a stationary type. The cast brass, chromium-plated nozzles are quickly adjusted from a full stream to the finest mist spray by merely turning the knurled edges. Works well on high or low water pressure. \$5.95.



Parkside Sprinkler

METCO WAVE SPRINKLER.

The swinging spray evenly covers a rectangular area of 40 by 50 ft. leaving no dry corners or causing any overlap. Easily moved with water turned on. Adjustable to narrow areas by setting the spray tube to one side. \$11.95.



Metco Wave Sprinkler

SUPPLEX SPRINKLER HOSE. This does an excellent job in watering a rectangular area. The triple-tubed plastic hose also may be adopted to follow gentle curves of garden beds. For soaking turn upside down. 25 ft. size \$3.98; 50 ft. size \$5.98.

SOIL SOAKERS. Porous, mildew-resistant canvas hose that attached to your garden hose will let the water seep, drop by drop, from its pores to saturate the soil without causing it to wash away. 18 ft. long \$2.40; 30 ft. long \$3.70; 50 ft. long \$6.00.

WATERWHIP. Here is a new type sprinkler that certainly will fascinate you. Thrust into the ground the short rubber tube with its helical inside thread will swirl madly when the water is turned on. Covers a 25 to 40 ft. circle. \$1.50.



PLANT FOUNTAIN. An excellent rubber bulb sprinkler with plastic tube and head. Ideal for watering house plants, too, as it puts the water exactly where wanted with no spilling or muss. \$1.50.

Gro-Gun GARDEN HOSE SPRAYER.

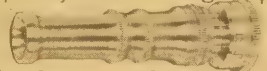
This is more than just a watering device in that it combines watering with feeding. Place the concentrated fertilizer solution in the jar and the water from the hose will dilute it for direct application to the plants or soil. Saves time and labor. \$2.95.



Worthmore Plastic GARDEN HOSE.

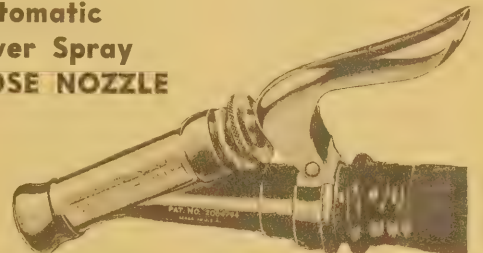
Good garden hose is the cheapest in the long run. Worthmore is made by the Plymouth Rubber Company and guaranteed for 6 years. Has leakproof, non-rust, perma-grip couplings and comes in fire red and lawn green. Its light weight makes working with it a real pleasure. 25 ft. length \$3.40; 50 ft. length \$6.15.

Justrite HOSE NOZZLE



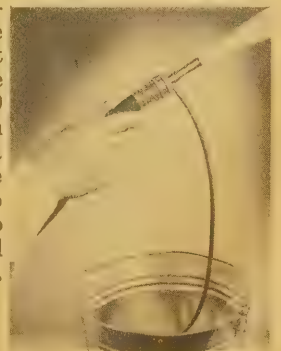
The finest garden hose nozzle we know of. Made of polished cast bronze. Adjustable from drip-proof shut-off to finest mist, heavy round spray, and far reaching stream. \$1.45.

Automatic Lever Spray HOSE NOZZLE



A great favorite with many who appreciate its many distinct features such as the quick shut-off by merely releasing the pressure on the lever. Has one-hand control for instant adjustment to any type of spray from finest mist to heavy gush. Nickel-chrome-plated copper. \$1.69.

Spray Mix NOZZLE. Put on the end of your garden hose and drop the special rubber hose into a bucket filled with concentrated fertilizer solution. The suction will lift the concentrate and mix it with 20 times as much water to give a safe but effective liquid feeding to your plants. Also for applying liquid soil conditioner. \$1.49.



SPRAYING and DUSTING Equipment

for Every Garden and Household Purpose

Hudson COMET SPRAYER. Heavy tinplate with brass syphon and removable nozzle. Holds a full quart and has continuous action. For fly oils, insecticides, etc. \$1.20.



Hudson ECLIPSE. Continuous; stainless steel throughout. Of full quart capacity with 2-spray nozzle and chemical-proof gasket ring. Sprays virtually any control liquid without corroding or rusting. Excellent for home, garden, professionals. \$5.70.

Hudson BUGWISER. Economical and very efficient for all small home and garden spraying. The tank is seam welded, galvanized sheet steel and holds 2 1/4 gal. of spray material. The efficient quick-acting pump is seamless brass tubing with Air-Pak plunger and Hy-Car valve. Has a built-in funnel top for easy filling; 3/8 in. oil resistant hose; 18 in. brass extension; brass nozzle with 3 discs; and rotatable spray valve \$7.35.



Hudson FAVORITE.

The finest sprayer that lady gardeners can handle with ease. Holds 1 3/4 gal., is easy to fill. Has Saf-T-Lok closure and Nu-Action pump for easier pumping. Tested at factory for 100 lb. pressure. Has 5 ft. of Koroseal plastic hose, 18 in. brass extension tube, 5-spray nozzle adjustable to very fine, fine, medium, coarse, and long distance. A real beauty free from bothersome gadgets, and very light. \$10.35.

Hudson PERFECTION.

The simplest, easiest-to-use sprayer ever built. The tank holds 4 gal. and measures 7 1/2 by 22 1/2 in. The seamless pump is equipped with a poppet valve and Nu-Action plunger. The discharge equipment consists of 3/8 in. oil and chemical proof spray hose 30 in. long, and a 24 in. brass extension tube. Has all-angle nozzle with 4 discs and rotatable spray control valve. Available with galvanized or stainless steel tanks.



No. 310. Galvanized. This model has a seamless brass pump. \$14.00.

No. 310 S. Stainless. Both the tank and the pump are made from stainless steel. \$26.80.

Three Sprayers that Connect to the Garden Hose



GARD-N-GUN. The ideal sprayer for small gardens. Attached to the garden hose it sprays a fine mist of almost any insecticide, fungicide, or weed killer. Snap-action control valve. Supplied with 1/2 pt. glass jar. \$2.95.



INSECT-O-GUN. Works with any liquid or wettable insecticide, fungicide, or weed killer providing 3 gal. of spray with one filling of the pint mason jar supplied. The water pressure from the hose does the hard work. \$5.95.



GRO-GUN. For fast big volume spraying of fertilizers, insecticides and fungicides. The quart mason jar (supplied) makes 20 gal. of spray with the water delivered by the hose. \$2.95.

Two Excellent Dusters



Hudson ADMIRAL DUSTER. This we believe to be the best of its type. Delivers a forceful cloud of dust with each forward stroke of the plunger. Excellent for applying any kind of powder pesticide or weed killer. Has prelubricated plunger; easily accessible and removable. The 21 in. seamless discharge tube ends in a swivel nozzle that permits dusting in any direction. \$2.55.

The New Hudson DUSQUIK DUSTER.

Here is the duster that exactly meets the needs of larger home gardeners, farmers, small nurserymen, and greenhouse men as well as small truck farmers, cottongrowers, and tobacco farmers with limited acreage. The hopper holds 2 lb. of dust and is easily filled with the built-in scoop that is part of the lid. The extension tube is in two parts; one has a swivel nozzle for dusting in any direction. Discharges a continuous cloud or puff for spot applications. Handles efficiently any powder pesticide, yet is light and easy to operate. \$8.95.



SOIL and SOIL CONDITIONERS

Prices quoted are f. o. b. our warehouse and subject to change without notice

Plant vigor, health, and productivity are intimately connected with soil conditions. To function properly the roots must have easy access to food, water, and air. Food and water may be applied at almost any time but the availability of air depends upon a porous, open, soil structure.

AFRICAN VIOLET SOIL. Fine-textured organic matter and sterile loam properly blended with the right quantity of plant food to make African Violets thrive and bloom. 4 lb. plastic bag 40c.

PEAT HUMUS. A rich natural product ideal where a potting mixture calls for leafmold or other organic matter to provide a porous texture that holds water as well as a good air balance. 3 lb. plastic bag 40c.

POTTING SOIL. Rich, friable, sterilized loam blended with organic matter and plant food. Excellent for practically all house plants. 4 lb. plastic bag 40c.

KRILIUM. New Chemical Soil Conditioner. See page 53. 2 oz. 30c; lb. \$1.40; 5 lb. \$4.95.

Terralite Vermiculite

Works miracles with plants. Lightens and aerates heavy clay soils, gives sandy soils body, retains and releases moisture and air as needed. Ideal for starting fine seeds, rooting cuttings, etc. 4 qt. ($\frac{3}{4}$ lb.) 45c; $\frac{1}{2}$ bu. (3 lb.) 85c; 20 lb. (4 cu. ft.) \$2.25.

Organic Soil Conditioners

HYPER HUMUS. Use at the rate of 2 to 4 lb. per sq. ft. to lighten soils and induce highly favorable bacterial action. Splendid also for potting soil mixtures, mulching, and topdressing lawns. 25 lb. \$1.45; 50 lb. \$2.45; 100 lb. \$4.00.

MICHIGAN PEAT. Nature's own soil builder containing about 97% organic matter. Stimulates root growth and retains six times its weight in water. Use it on all soils in need of organic matter at the rate of 100 lb. to 100 sq. ft. Excellent for lawns, flowers, roses, shrubs, trees, azaleas, rhododendron, and all house plants. Screened, weed free, odorless, and ready for use. $\frac{1}{2}$ peck 60c; peck 90c; 25 lb. \$1.70; 50 lb. \$2.50; 100 lb. \$4.50.

PEATMOSS. Specially prepared for horticultural use. Lightens heavy soils and gives body to sandy ones while encouraging beneficial soil bacteria. Especially good for azaleas, rhododendron, and others in need of a soil rich in natural organic matter. 3 peck 90c; chubby bale \$3.00; large bale \$5.00.

Make Your Own Rich Compost
from Garden Waste
Easily — quickly — and
in record time

ADCO is a special powder that has proved its outstanding value as a compost activator. Added to vegetable refuse, grass clippings, weed tops, etc. it breaks down fresh organic matter into a rich, dark compost teeming with beneficial soil organisms. Used as per directions it will accomplish this in four months. 20 lb. suffice for making $\frac{1}{2}$ ton of the richest compost. 5 lb. \$1.75; 20 lb. \$3.75.

and here are the very Important Seed and Soil Treating Compounds

Lurking in the soil and even on the seeds are some of nature's smallest organisms just waiting for the chance to attack the tiny seedlings as they emerge from their protective cover. Just let the weather be anything but favorable and they gain the upper hand. Wise gardeners see to it that they never have an opportunity to go to work by treating the seeds with the proper protectant that insures a strong, healthy start of the plants,

ARASAN. Acts as a disinfectant against seed-borne diseases and a protectant against those in the soil thus preventing seed decay and damping off. For corn, sorghum, peanuts, soybeans, many vegetables, and grasses. $\frac{3}{4}$ oz. 25c; 8 oz. \$1.00; 2 lb. \$3.20.

CERESAN, New Improved. For wheat, oats, barley, rye, sorghum, millets, and flax to control certain smuts and some other seed-borne diseases such as anthracnose and angular leafspot of cotton. Also lessens the danger of seed decay and damping off of cotton, flax, peas, and sugar beets. 4 oz. 50c; lb. \$1.30.

SEMESAN. Very effective to control seed rot and damping off on many vegetable and flower seeds as well as some bulbs. Promotes strong germination and a healthy start. $\frac{1}{3}$ oz. 20c; 2 oz. 60c; 4 oz. \$1.00; 12 oz. \$2.85.

SPERGON. Spergon is of special significance in that it gives outstanding protection on plants that are sensitive to some of the other preparations. Use it for all kinds of beans, lettuce, peas, pumpkin, pepper, spinach, squash, and tomato for which it is especially recommended. May safely be used on beans and peas receiving treatment with a bacterial culture as it does not interfere or nullify it. Oz. 50c; 5 oz. \$1.75; lb. \$2.50.

SPERGON GLADIOLUS DUST. Though originally compounded to protect gladiolus corms against the spread of disease and the ravages of thrips while in winter storage, it has been found to serve for the protection of other kinds of bulbs over the winter and during their early development if applied just before planting. 2 oz. 50c; lb. \$1.95.

Important HORMONES and other Plant Growth Promoters

FRUITONE

Once you have given this excellent hormone preparation a chance to show you what it will do for your tomatoes you never will want to be without it. Applied as a fine mist against the early blossoms they will develop into fine large fruits of extra flavor instead of dropping off. Also prevents premature drop of apples and other fruits, increases the bean yield, and helps holly set more berries.
2/5 oz. 25c; 2 oz. \$1.00; 12 oz. \$5.00.

ROOTONE

Stimulates the natural tendency for roots to form on slips and cuttings. Rooting also is quicker and more abundant with a corresponding decline in losses due to bacterial action. Rootone now includes a fungicide that controls damping off and other soil-borne diseases. Excellent for treating grass seeds.
1/4 oz. 25c; 2 oz. \$1.00; lb. \$5.00.

ROSETONE

A special combination of vitamins and hormones that have a miraculous effect on the roots of dormant roses soaked in it before planting. Also beneficial on established plants to which it is applied with the watering can. 1/2 oz. 25c; 3 oz. \$1.00.

TRANSPLANTONE

Transplanting losses every year reach a truly staggering total despite careful moving but much of this can be eliminated at a trifling cost. Transplantone reduces transplanting shock to a minimum. Use Transplantone on everything—annual and perennial flowers, vegetables, shrubs, vines and trees to make sure of quick recovery. It is especially important for plants in active growth and during hot weather. 1/2 oz. 25c; 3 oz. \$1.00; lb. \$4.00.

Treat Legume Seed with NITRAGIN

Beans, peas, sweet peas, and other legumes depend for their vigor on certain bacteria that live in the root swellings. Nitrugin dusted on the seeds will introduce these organisms. Garden size 15c.

FLORALIFE Makes Cutflowers Last Longer

Cutflowers placed in water containing Floralife will remain in good condition several days longer than in plain water. Odorless, and easy to use. Small (for 2 qt.) 10c; home size (30-qt.) \$1.00.

WEED KILLERS

Save Time and Tempers

AMMATE, DuPont. A very effective non-poisonous weed killer for poison ivy, poison oak, poison sumac, and woody perennials when green. Not for use on lawns as it kills grass.
2 lb. \$1.15; 6 lb. \$2.95.

DuPont CRABGRASS KILLER. A non-poisonous potassium cyanate material that will effectively destroy crabgrass without harming bluegrass and other grasses. 7 1/2 oz. \$1.00; 30 oz. \$2.95.

New Improved WEEDONE. 2, 4-D plus 2, 4, 5-T kills broad-leaved weeds in lawns without destroying good grasses. Also kills other noxious weeds including poison ivy, poison oak, etc.
8 oz. \$1.00; qt. \$2.75; gal. \$6.75.

WEEDONE CRABGRASS KILLER.

Non-poisonous. Eliminates young as well as mature crabgrass without harm to grasses or clover. Also destroys chickweed. 6 1/2 oz. \$1.00; 26 oz. \$3.00; 6 1/2 lb. \$8.85.

WEEDEX. Kills all plant growth. A labor saver for keeping paths, driveways, and gutters free from growth of any kind. Use 1 qt. to 49 gal. water.
Qt. 60c; gal. \$1.80.

Remove Stumps the Easy Way with Campbell's STUMP REMOVER

Pour in one-inch holes drilled in stump and let chemical action condition and soften the hard wood ready to absorb kerosene poured in later and lighted. The slow flame will follow the roots to the very tips and burn them out completely without trouble. 8 oz. \$1.50; 16 oz. \$2.50.

For Vigor, Health, Abundant Harvests, Finest Flowers Feed Your Plants well and regularly

ALUMINUM SULPHATE. This is not a fertilizer but a material used to make soils acid for plants that require this condition. The safe way is to test the soil with the 2 minute acidity tester (page 56) and follow instructions given. 25 lb. \$2.00; 50 lb. \$3.50; 100 lb. \$6.00.

BONE MEAL May be used freely on all kinds of plants excepting only those that require an acid soil. It does wonders for the lawn and is especially desirable for bulbs, trees, and shrubs that need a constant supply of slowly available but long-lasting organic food. Use 5 lb. per 200 sq. ft.; 1000 lb. per acre. 5 lb. 90c; 10 lb. \$1.50; 25 lb. \$2.75; 50 lb. \$4.50; 100 lb. \$8.00.



Natural cow manure containing not less than 75% organic matter, thoroughly dehydrated, and well pulverized. Entirely free of dirt and live weed seeds. Has much less odor than regular cow manure. Bovung is ideal for feeding lawns where its high content of organic matter plays as important a part as the plant food it contains. Excellent for all other plants. 5 lb. 60c; 10 lb. \$1.00; 25 lb. \$1.60; 50 lb. \$2.70; 100 lb. \$5.25.

Wizard Brand Pulverized COW MANURE

Applied at the rate of 100 lb. to 1000 sq. ft. this well-known organic fertilizer will not only provide plant food and valuable organic matter but millions of bacteria that are of the greatest importance to plant nutrition. Free from live weed seeds and any strong, offensive odor. Excellent for lawns and other plants. 5 lb. 60c; 10 lb. \$1.00; 25 lb. \$1.80; 50 lb. \$3.00; 100 lb. \$5.90.

Feed your plants regularly to make them thrive

Seeing is Believing — What Espoma and Hollytone will do for Your Plants

ESPOMA

PLANT FOOD-SOIL CONDITIONER

Espoma is 95% organic and for that reason never can cause burning. It has an analysis of 3-2-1 which provides a favorable balance of the major elements. Its composition insures that all of the minor elements are there in good supply.

It includes king crab, dehydrated poultry manure, cocoa tankage, castor bean meal, bone meal and other valuable organics. Use it freely on lawns, flowers, vegetables, roses, shrubs, trees, — 100 lb. per 1000 sq. ft., and in potting soils for all kinds of plants. 5 lb. 55c; 10 lb. 95c; 25 lb. \$1.65; 50 lb. \$2.60; 100 lb. \$4.75.

Holly-tone



For acid-loving plants

Holly, evergreens, pieris, leucothoe as well as all other acid soil plants respond well to its stimulating effect. 5 lb. 80c; 10 lb. \$1.35; 25 lb. \$2.65; 50 lb. \$4.25; 100 lb. \$7.50.

HYPONEX. So concentrated that a teaspoonful makes one gallon of solution. Use for feeding plants growing in sand, soil, or water-indoor's or in the garden. Gives a quick boost. Oz. 10c; 3 oz. 25c; 7 oz. 50c; lb. \$1.00.

THRIVE Plant Food. See page 53 for this squeeze-bottle houseplant food. 59c.

TRI-GEN ROSE FOOD. 5-10-5. Specially prepared to nourish roses to perfection but just as valuable for other flowers that benefit from the combination of long-lasting organic food and quick-acting inorganic fertilizer. 5 lb. \$1.00; 10 lb. \$1.70.

TRUCKERS FAVORITE. 5-10-5. This garden fertilizer contains all the essential food elements needed by vegetables for early maturity, quick growth, and perfect development. Apply 10 lb. to 200 sq. ft. spaded in or as side dressings. 5 lb. 50c; 10 lb. 90c; 25 lb. \$1.60; 50 lb. \$2.65; 100 lb. \$4.25.

LIME, Hydrated. Makes sour soil sweet, heavy soils light, light soils heavier, and liberates natural plant food in the soil. Apply once every three or four years to the lawn. 10 lb. 40c; 50 lb. \$1.00.

MURIATE OF POTASH. Use 1 to 2 lb. per 100 sq. ft. on soils in need of additional potash. 10 lb. \$1.30; 25 lb. \$2.10; 50 lb. \$3.35; 100 lb. \$5.75.

NITRATE OF SODA. Use 1 to 2 lb. per 100 sq. ft. or dissolve 1 oz. in 2 gal. water as a quick stimulus to leafy vegetables. 5 lb. 90c; 10 lb. \$1.35; 25 lb. \$2.40; 50 lb. \$3.85; 100 lb. \$6.75.



PLANTABBS. Odorless plant food tablets containing vitamin B-1. Recommended for house plants. 30 for 25c; 75 for 50c; 200 for \$1.00; 500 for \$2.00.

SHEEP MANURE

Wizard Brand Pulverized Sheep Manure is natural plant food. It is sterilized to make it positively weed free. Gives flowers and lawns a good boost. Apply 100 lb. per 1000 sq. ft. 5 lb. 60c; 10 lb. \$1.00; 25 lb. \$1.80; 50 lb. \$3.00; 100 lb. \$5.90.

SUPERPHOSPHATE 20%. Phosphate is one of the three major plant foods and some soils require more than that included in the complete formulas. Use 5 lb. for 500 sq. ft.; 800 lb. per acre. 25 lb. \$1.25; 50 lb. \$2.00; 100 lb. \$3.00.

SULPHUR Powder. Used in preparing soils for acid plants, also to combat insects and plant diseases but Dritomic Sulphur (page 62) gives quicker disease control. Lb. 35c; 5 lb. \$1.25; 10 lb. \$2.25; 50 lb. \$7.50.

MIRACLE-GRO. Feeds plants through roots as well as leaves with amazing speed and effect. See page 53. 8 oz. \$1.00; 1½ lb. \$2.25; 5 lb. \$5.00.

VIGORO —The Complete 5-10-5 Fertilizer

The best-known of all complete garden fertilizers serving well on lawns, vegetables, flowers, shrubs, and trees especially if well mixed with the soil previous to sowing or planting. Scientifically compounded with no unpleasant odor, and easy to use at the rate of 4 lb. per 100 sq. ft. Promotes a healthy, rapid growth. Full directions on its use are given in every package. 5 lb. 55c; 10 lb. 95c; 25 lb. \$1.70; 50 lb. \$2.55; 100 lb. \$4.85.



INSECT, BLIGHT, and Pest Controls

Prices are f. o. b. our warehouse and subject to change without notice.

Special Combinations for Busy Gardeners

Home gardeners will find these not only very handy and effective but also safe if used according to instructions furnished with each kind. They eliminate the need of mixing or making several applications of different materials to control more than one pest. Unless the gardener knows which kinds can be mixed safely plants may be severely damaged.



FLORAL DUST, DuPont. Used regularly during the growing season keeps flowers of all kinds free from insects and diseases. Combines metoxychlor, fermate, sulphur, and rotenone. 8 oz. gun 90c; lb. canister \$1.15; 3 lb. \$2.50.

FRUIT TREE SPRAY and DUST| Pratt's. Controls chewing and sucking pests, and fungus diseases on apples, pears, peaches, plums. Lb. sifter-top 85c; 3 lb. \$1.50.

ROSE DUST, DuPont. May be applied as dust or spray to control all major rose diseases including the destructive black spot and mildew. Start using as soon as buds begin to swell and repeat every 7 to 14 days during the growing season and after every heavy rain. 8 oz. gun 80c; lb. canister \$1.00.

TRI-GEN ROSE SPRAY. A complete remedy against rose diseases and destructive chewing and sucking insects. Just as valuable for full protection of asters, snapdragon, chrysanthemum, and many others.

E Kit, for 6-10 plants, \$1.50
A Kit, for 12-20 plants, \$2.35
B Kit, for 50-80 plants, \$6.00
C Kit, for 100-160 plants, \$9.00

TRI-GEN DUST. For those who prefer a dust to spraying. Includes DDT, rotenone, fermate and sulphur — all needed against sucking and chewing pests, mildew, black spot, and other diseases. Lb. \$1.20.

TOMATO DUST, DuPont. Don't take any chances with your tomatoes especially when insect damage and diseases can be controlled so easily and effectively with this complete dust. Start dusting from the time the plants are up and continue at weekly intervals until fall. 8 oz. gun 80c; 2 lb. \$1.00.

VEGETABLE GARDEN DUST. DuPont. A safe and effective combination of the most powerful insecticides and fungicides to produce quality vegetables free from insect injury and diseases. 8 oz. gun 90c; lb. \$1.15; 3 lb. \$2.50.

MARVEL SPRAY. Perfectly safe for African Violets, Coleus, and other spray-sensitive plants that frequently suffer severely from infestations of mealy bugs and those tiny but ferocious mites or red spiders. Apply regularly before these pests gain the upper hand and cause severe damage. 4 oz. \$1.00; ½ pt. \$1.75.



FUNGICIDES For Prevention of Plant Diseases

Fungicides must be applied before the plants are infected with disease or at least before it has made serious inroads because plant diseases cannot be cured. They must be prevented or stopped from spreading.

BORDEAUX MIXTURE. A bluish powder that may be applied with a good duster or as a suspension in water with a sprayer that delivers a fine, mist-like spray. For spraying use 5 level tablespoonfuls to a gallon of water. Protects against such fungus diseases as blight, rust, wilt, and mildew on vegetables, flowers, shrubs, and trees. Lb. 50c; 4 lb. \$1.40.

FERMATE, DuPont. A new and most valuable fungicide especially effective against black spot on roses, leaf spot and rust on chrysanthemums, apple scab, grape black rot, and many other serious plant diseases including the devastating botrytis blight of tulips and other bulbs. Easiest to apply as a spray. For dusting mix with 9 parts of talc. Use 2 level tablespoonfuls per gallon of water for spraying. 8 oz. 75c.

LIME SULPHUR POWDER. Mix 1 lb. with 1 gal. of water and use as a dormant spray against San Jose scale and fungus diseases attacking fruit trees. Lb. 70c; 5 lb. \$2.75.

LIME SULPHUR SOLUTION. Add 1 part to 20 parts of water. Use as a dormant spray for controlling San Jose scale, scab on apples and pears, peach-leaf curl, and cherry leafspot. Also kills pests that winter on the bark of trees. Qt. 50c; gal. \$1.25.

SULPHUR, Dritomic Wettable. Gives good protection against many diseases and also kills red spiders by smothering them with its fumes. 2 lb. 50c; 5 lb. 80c.

TERSAN 75 (75% Thiuram). A non-mercurial turf fungicide that prevents brown patch and dollar spot on golf courses, grass tennis courts, home lawns. 5 1/3 oz. \$1.00; 3 lb. \$6.75.

INSECTICIDES and Animal Repellents

Prices quoted are f. o. b. our warehouse and subject to change without notice



ANTROL. Ants eat and carry it into the nest where the queen and others are killed by it. Set of 4 feeders 50c; 4 oz. syrup refill 25c.

ANTROL TRAPS. Destroys grease as well as sweet eating ants outdoors and in the house. 25c.

ARSENATE OF LEAD. May be dusted or applied as a spray to kill chewing pests on all kinds of plants. Lb. 65c; 4 lb. \$1.75.



BLACK LEAF 40. This 40% nicotine concentrate destroys plant lice (aphids), thrips, leafhoppers, and other soft-bodied pests. One oz. makes 6 gal. solution. Oz. 40c; 5 oz. \$1.20; lb. \$2.70; 2 lb \$4.80.



CHLORDANE DUST 6%. Highly effective against ants, cutworms, chinch bugs, earwigs, chiggers, slugs, snails, wireworm, sod webworm, Japanese beetle grubs, root maggots, crickets, silver fish, carpet beetles, cockroaches, and others. Lb. sifter-top 60c; 4 lb. \$1.50.

CYANOGEN ANT KILLER. A metal can containing 4 oz. of this poison that is poured into outdoor nests only. 50c.



CROW REPELLENT, Stanley's. Crows and other pests will not touch seed treated with this. 1/2 pt. (for 1 bu.) 60c; pt. \$1.00; qt. \$1.75.

DDT DUST 50%, DuPont. A finely blended powder of this sensational insecticide that kills many sucking and chewing pests on vegetables, flowers, trees, and shrubs. To be applied as a spray after mixing with water. Also controls flies, ticks, and mosquitoes. Lb. 90c.



DOG CHAPERONE. Spray on plants and dogs will stay away from them. Also effective against cats and other animals that may disturb or ruin your flowers and shrubs. 4 oz. \$1.00; 8 oz. \$1.49; qt. \$3.98.

FUME-GEN. Another good animal repellent taking care of dogs, cats, rabbits, and others. 8 oz. sifter-top 50c.



LINDANE SPRAY 10%. A new discovery that works fast on some of the worst garden pests such as cucumber beetle, flea beetles, plant bugs, squash bug, plum curculio, cabbage maggots, some aphids, wireworms, cutworms, certain beetles, flies, mosquitoes. Oz. 40c; 5 oz. \$1.20; pt. \$2.70; qt. \$4.80.



MALATHON SPRAY 50%. The best yet for spider mites and scale pests while in the crawling stage. Also kills Mexican bean beetle, leaf bugs, tarnished plant bug, leafhoppers, aphids, and added to a sugar solution flies. Oz. 50c; 5 oz. \$1.40; pt. \$3.00; qt. \$5.30.



MOLOGEN. Placed into active mole runs it will not be long before they disappear completely from the scene. 1/2 lb. 50c; 1 1/2 lb. \$1.25.

NICO-FUME Pressure Fumigator.

An easy and relatively safe way of fumigating the greenhouse with good assurance that all pests susceptible to its effect are killed. Lb. tin 75c.

NICOTINE PYROX. This combines the effectiveness of nicotine with that of Bordeaux mixture and consequently kills chewing and sucking pests while also acting as a deterrent against plant diseases. 20 oz. 60c; 5 lb. \$2.25.

PARA-SCALECIDE. One qt. gives 2 gal. of solution that combines the effect of Scalecide with that of paradichlorobenzene for destroying peach borers and other tree borers in fruits and ornamentals. Qt. \$1.45; gal. \$3.25.



RABBIT CHAPERONE. Sprayed on soil around plants rabbits will not bother them. Thus much serious damage can be avoided on garden plants. 4 oz. \$1.00; 8 oz. \$1.49; qt. \$3.98.

RED ARROW. A pyrethrum-soap formula that kills Mexican bean beetle, aphid, thrips, rose bug, red spider and others. Dilute 1 oz. with 3 gal. of water and apply as a forceful spray. Oz. 35c; 4 oz. \$1.00; pt. \$2.85.

ROTENONE 75 Dust. Contains 0.75% Rotenone and does a good job on Mexican bean beetle, asparagus and cucumber beetles, leafhoppers, caterpillars, chinch bug, thrips, red spider, cabbage worms. Lb. sifter-top 50c; 5 lb. \$1.50.

SCALECIDE. A reliable dormant spray for San Jose scale, oyster shell scale, red mites, aphids, and many other scale and soft-bodied sucking pests. Use 1 qt. to 2 gal. of water. Qt. \$1.15; gal. \$2.75.

SLUG SHOT POWDER. Non-injurious to man or animals but sure death to potato bugs, Mexican bean beetle, green flies, slugs, worms, etc. Easy to apply as is with a good duster. Lb. sifter-top 50c.



SNAROL CUTWORM BAIT. Sprinkle lightly on soil surface around plants as dusk falls so that it will be fresh when the marauders appear for their nightly foraging. Lb. 50c; 2 1/2 lbs. \$1.00.

SOAP, LINSO. A liquid soap specially prepared to serve as a spreader for insecticides, especially Black Leaf 40. 1/2 pt. 55c; qt. \$1.10.

TOBACCO DUST. Finely powdered to increase its effectiveness in destroying chinch bugs in lawns, aphids, and other soft-bodied pests. 5 lb. 35c; 10 lb. 55c; 25 lb. \$1.00.

TREE TANGLEFOOT. Apply as a band 4 in. wide and 1/16 in. thick around tree trunks to stop certain destructive caterpillars in their tracks. 6 oz. 90c; lb. \$1.50.

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Vegetable Planting
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★ = Varieties
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Helpful Hints about Flower Seeds and Bulbs

The symbols used throughout the Flower Seed section of this book tell at a glance some important facts about the plants that in turn provide a practical key to the best time for sowing.

hA—Hardy Annual. Sow as early in the spring as soil conditions permit. The seeds as well as the small seedlings survive freezing temperatures. Larkspur, annual Poppies, and *Centaurea cyanus* are typical hardy annuals. These three as well as some others can be sown in September because even larger seedlings are winter hardy. Sown just before winter arrives the seeds remain dormant until late winter to germinate before the earliest chance for outdoor sowing.

hhA—Half-Hardy Annual. These should be sown after danger of hard frost is past. A light frost will do no harm so long as the seedlings have not emerged from the soil. Gardeners frequently start these in the coldframe or in boxes indoors a month or more before the nights have become frost-free. Marigolds and Zinnias are typical half-hardy annuals.

tA—Tender Annual. Sow these outdoors after all danger of frost is past and preferably after the soil has warmed up and the nights turned balmy. Moonflower and large-flowering Morning Glories are tender annuals. They are sown outdoors in late May or early June. Others, like Scarlet Sage, that require a long growing season should be started indoors as early as February for setting out after the nights have lost their chill.

hB—Hardy Biennial. Biennials have a life span of two years, though occasionally some persist longer. Seed sown during late spring or early summer (June-early August) grow into winter-hardy plants that bloom the following year. Canterbury Bells, Foxglove, and Hollyhocks are typical hardy biennials and so are Pansies. Pansies give best results if sown in August or early September. If sown early in spring they will bloom the same year.

hP—Hardy Perennial. Perennials live from several to many years and can endure severe freezing temperatures if planted in well-drained soil. Sow them any time from early spring until the end of June. Quick-growing kinds may be sown even later.

hhP—Half-Hardy Perennial. Sow these at the same time as hardy perennials but where winters are very cold protect well to insure survival. Some gardeners lift the plants and carry them over winter in the coldframe.

tP—Tender Perennial. Sow at almost any time of the year but since the plants are killed by frost and occasionally injured at temperatures below 40°F. they must be kept indoors during the cold part of the year.

C—Climbers. These are very important and satisfactory because they occupy little space and bear flowers so very abundantly.

Cover seeds twice as deep as their smallest diameter with fine soil and keep moderately moist to insure satisfactory germination.

Sowing and Planting Calendar

This schedule applies to sections comparable to Philadelphia conditions. Spring operations roughly advance one week for every 100 miles southward and are a week later for every 100 miles to the north. Altitude change these factors still further but with the information given above every gardener should be able to work out a dependable guide for his conditions.

Indoor Sowing and Planting

January is not too early to start bulbs of Amaryllis and Fancy-leaved Caladium, but **February** and early **March** are not too late, either.

Early in **March** sow indoors Scarlet Sage and Verbena. By the middle of the month sow Bedding Begonias, Coleus, Dahlia seed, Giant Petunias, and Double Petunias. Also start Begonia, Canna, and Gloxinia bulbs indoors. Sow either indoors or in a tight coldframe Ageratum, Amaranthus, Asters, Salpiglossis, Snapdragon, and Thunbergia.

Early in **April** sow indoors or in the coldframe Marigolds and Zinnias besides those given above for cold frame sowing.

Early Outdoor Sowing

These are made any time during **March** or early **April** when the surface is free from frost, although there may still be ahead many days of freezing weather. Sprinkle seed of Shirley Poppies on the wet surface where plants are wanted to bloom. Wait until soil is sufficiently dry to open shallow furrows for sowing Bachelor's Button, Calendula, Calliopsis, Candytuft, Chrysanthemum, Cynoglossum, Dianthus, Honesty, Marvel of Peru, Larkspur, Mignonette, Lupinus, Sweet Peas and perennials.

Sow Outdoors after Danger of Frost

This group comprises half-hardy annuals, some tender ones, and hardy annuals that germinate better in warmer soil. They are: Ageratum, Amaranthus, Asters, Balsam, Carnations, Celosia, Cosmos, Golden African Daisy, Helianthus, Lobelia, Marigolds, Nasturtium, Nicotiana, Bedding Petunias, Phlox, Portulaca, Salpiglossis, Scabiosa, Snapdragon, Strawflower, Thunbergia, Verbena, and Zinnias. All perennial seeds and Gladiolus bulbs can be started now. Because cold wet soil may rot certain seeds delay sowing Cardinal Climber, Cypress Vine, Gourds, Moonflower, and large-flowered Morning Glories until the nights are balmy in late May or early June. That also is the time for outdoor planting of Begonia, Dahlia, Canna and Tuberose bulb.

Specials for May to September

Sow perennials seeds any time during **May** and **June** to make strong plants before winter sets in. Continue planting Gladiolus until early **July**. Sow hardy biennials like Canterbury Bells, Foxglove, and Hollyhocks during **July** and **August**. Pansies never are finer than from **August** sowing in a special seedbed or coldframe. During the forepart of **September** sow annual Larkspur where to remain to flower especially well next year.

Landreth's

FAMOUS

LAWN GRASS MIXTURES

LANDRETH NEVER DIE

*Treated with Arasan
and Rootone*

Composed of the best perennial lawn grasses that produce a luxuriant turf. They recuperate early in the spring from winter's vagaries and retain their brilliant green color throughout the growing seasons if fed occasionally with a complete fertilizer or bone meal. Regular mowing and watering, when needed, contribute to the vigor, beauty, and permanence of the velvety sod. Lb. \$1.25; 5 lb. \$6.00; 10 lb. \$11.75; 25 lb. \$29.00; 50 lb. \$57.50; 100 lb. \$113.00.

EMERALD GREEN. Treated with Arasan and Rootone. The finest of lawn grass mixtures with a high percentage of perennial species that insure permanent beauty year after year. Makes a dense, rich green, thick sod of great appeal. Lb. \$1.80; 5 lb. \$8.75; 10 lb. \$17.25; 25 lb. \$42.75; 50 lb. \$85.00; 100 lb. \$168.00.

EVERGREEN. A quick-growing mixture producing an attractive rich green lawn which will be a pleasure to tend. Lb. \$1.00; 5 lb. \$4.75; 10 lb. \$9.25; 25 lb. \$22.75; 50 lb. \$45.00; 100 lb. \$88.00.

POPULAR. Composed mostly of annual grasses that will serve well in many cases and have the advantage of making a quicker growth than the perennial kinds. Lb. 80c; 5 lb. \$3.75; 10 lb. \$7.25; 25 lb. \$17.75; 50 lb. \$35.00; 100 lb. \$68.00.

SHADY PLACE. For best results sow this mixture either very early in spring or in the autumn. Composed of several special grasses that grow naturally in shaded areas. With proper feeding and watering it will give a good turf. Lb. \$1.30; 5 lb. \$6.25; 10 lb. \$12.25; 25 lb. \$30.15; 50 lb. \$60.00; 100 lb. \$118.00.

ATHLETIC FIELD. Grasses for this purpose must be extra tough and wear-resistant to stand up against the impact of cleats and spikes, and our mixture will do just that. Composed of hardy kinds. Lb. \$1.15; 5 lb. \$5.50; 10 lb. \$10.75; 25 lb. \$26.50; 50 lb. \$52.50; 100 lb. \$103.00.

SEASHORE. Conditions at the seashore demand a special mixture of grasses for satisfactory results and our blend is based on our wide experience with these problems. They are fine-bladed, of rich green color, and strong-rooted. Topdress the sand with 4 inches of good soil and fertilize liberally. Water when needed. Lb. \$1.30; 5 lb. \$6.25; 10 lb. \$12.25; 25 lb. \$30.15; 50 lb. \$60.00; 100 lb. \$118.00.

TERRACE or EMBANKMENT. Grasses that make an abundance of deep roots and also are drought-resistant are necessary for the successful growing of grass on hillsides, terraces and slopes. Lb. \$1.30; 5 lb. \$6.25; 10 lb. \$12.25; 25 lb. \$30.15; 50 lb. \$60.00; 100 lb. \$118.00.

SUNNY SOUTH EVERGREEN. Treated with Arasan and Rootone. Climatic conditions in the South demand a mixture of special grasses that grow well there and those included are just such kinds. Lb. \$1.25; 5 lb. \$6.00; 10 lb. \$11.75; 25 lb. \$29.00; 50 lb. \$57.50; 100 lb. \$113.00.

White Dutch Clover

For an extra heavy stand of this sow an additional 2 ounces for every pound of grass seed used. Oz. 15c; ¼ lb. 45c; ½ lb. 75c; lb. \$1.30; 5 lb. \$6.00.

Hay and Permanent Pasture

This carefully balanced mixture will provide nourishing pasture and hay for all kind of live stock. Permanent. Sow 50 lb. per acre, Lb. \$1.00; 5 lb. \$4.75; 10 lb. \$9.25; 25 lb. \$22.75; 50 lb. \$45.00; 100 lb. \$88.00.

THE OLDEST SEED HOUSE
IN AMERICA

D. Landreth Seed Co.

PHILADELPHIA, PA.